1. Write a HTML code to provide intra document linking.

```
<html>
<title>Intra document linking</title>
<body>
<h1>Table of contents</h1>
<ol>
<li><a href=#intro>Introduction</a>
<li><a href=#desc>Description</a>
<li><a href=#code>Code</a>
<li><a href=#con>Conclusion</a>
</ol>
<h1><a name=intro>Introduction</a></h1>
This is the introduction part.It tells about links and how to create intra
links with in the document.This is part of html.Html means hyper text markup language.
<h1><a name=desc>Description</a></h1>
This is the description part.It tells about links and how to create intra
links with in the document.This is part of html.Html means hyper text markup language.
<h1><a name=code>Codes</a></h1>
This is the codes part.It tells about links and how to create intra
links with in the document.This is part of html.Html means hyper text markup language.
<h1><a name=con>Conclusion</a></h1>
This is the conclusion part.It tells about links and how to create intra
links with in the document.This is part of html.Html means hyper text markup language.
</body>
</html>
```

2. Insert calendar object in a web page.

```
<html>
<title>Calendar</title>
<head>
<script>
var begTags = "<center><H2><font size=\"2\" face=\"Verdana\">";
// html code for end of the month
var endTags = "</TR></TBODY></TABLE><br>";
var monthName = "somemonth";
var yearName = "someyear";
var numberOfDays = 0;      // days in the month
var postDay = 0;        // day of the week the day after the last day of the month falls on (mod 7)
var numBlankDays = 0;      // number of "blank" days at the start of the month
var cellsHTML = "";       // HTML string
var generator;
// Constant array of month names
var months=new Array;
months[1] = "January";
months[2] = "February";
months[3] = "March";
months[4] = "April";
months[5] = "May";
months[6] = "June";
months[7] = "July";
months[8] = "August";
months[9] = "September";
months[10] = "October";
months[11] = "November";
months[12] = "December";
// Constant array of days of the week
var daysOfWeekShort = new Array;
daysOfWeekShort[1] = "Sun";
daysOfWeekShort[2] = "Mon";
daysOfWeekShort[3] = "Tues";
daysOfWeekShort[4] = "Wed";
daysOfWeekShort[5] = "Thur";
daysOfWeekShort[6] = "Fri";
daysOfWeekShort[7] = "Sat";
daysOfWeekShort[8] = "Sun";
function showCalendar()
```

```
{
            var currentMonth = document.CalendarSettings.Month.value;
        var currentYear = document.CalendarSettings.Year.value;
  // See if user provided a custom year input
        if (document.CalendarSettings.SpecialYear.value != "")
        {
                special = document.CalendarSettings.SpecialYear.value;
                if (special < 1 || special > 9999)
                {
                        alert ("Year not in range 1 - 9999, using year 2000.");
                    special = 2000;
                }
                currentYear = special.toString();
        }
// Use Date function to return starting day of week for the month
// Note that Date uses base zero numbering for month and day.
var startDate = new Date(currentYear, currentMonth-1, 1);
var startDay = startDate.getDay();
        if (document.CalendarSettings.WeekStart.value == 2)
{
        startDay = (startDate.getDay() - 1);
            if (startDay == -1) startDay = 6;
}
        var monthLimit = document.CalendarSettings.numMonths.value;

        generator=window.open("","name","height=450,width=700,resizable=1,scrollbars=1,me
        nubar=1");
        generator.document.write("<html><head><title>Calendar"+currentYear);
        generator.document.write("</title>");
        generator.document.write("</head><body onload='window.focus();'>");
        generator.document.write("\n");

        //Iterate for as many months as user desires.
        for(var index = 0; index < monthLimit; index++)
        {
                createMonth( currentMonth, currentYear, startDay);
                generator.document.write(getMonth());
                generator.document.write("\n");
                // Increment year if it's December
                if(currentMonth == 12 )
                {
                        currentYear++;
```

```
                }
                currentMonth = currentMonth%12 + 1;
                // post day of this month becomes start day of next month
                startDay = postDay;
            }


}

function createMonth(inputMonth, inputYear, inputDay)
{
    var leapYear = false;
     monthName = months[inputMonth];
    yearName = inputYear.toString();
     cellsHTML = "";
    numBlankDays = inputDay;
    //figure out if the year is a leap year
    if(inputYear%4 == 0)
    {
            if(inputYear%100 != 0)
            {
                    leapYear = true;
            }
            else
            {
                    if(inputYear%400 == 0)
                            leapYear = true;
                    else
                            leapYear = false;
            }
    }


    if(inputMonth != 2 && inputMonth  != 4 && inputMonth != 6 && inputMonth != 9 &&
    inputMonth != 11)
    {
            numberOfDays = 31;
    }
    else
    {
            //if month is NOT february, then it has 30 days
            if(inputMonth != 2)
```

```
                {
                        numberOfDays = 30;
                }
                else
                {
                        //if month is a leap year, then it has 29 days. if not, it has 28
                        if(leapYear)
                        {
                                numberOfDays = 29;
                        }
                        else
                        {
                                numberOfDays = 28;
                        }
                }
        }

        postDay = (numberOfDays + numBlankDays) % 7;  // day after end of month
}

function getMonth()
{
                cellCount = 0;
                var fontsize=1;
                for(var blanks = 0; blanks < numBlankDays; blanks++)
                {
                        cellsHTML = cellsHTML + "<TD vAlign=top align=left width=\"14%\"
                        > <br><br><br><br></TD>";
                        cellsHTML += "\n";
                        cellCount++;
                }

                for(var days = 1; days <= numberOfDays; days++)
                {
                        cellsHTML = cellsHTML + "<TD vAlign=top align=left width=\"14%\" ><font
                        size=\""+fontsize+"\" face=\"Verdana\">" +days
                        +"</font><br><br><br><br></TD>";
                        cellsHTML += "\n";
                        cellCount++;
                        if(cellCount % 7 == 0)
                        {
                                cellsHTML = cellsHTML + "</tr><tr>";
```

```
                    cellsHTML += "\n";
            }
    }

    while (cellCount % 7 != 0)
    {
            cellsHTML = cellsHTML + "<TD vAlign=top align=left width=\"14%\"
            > <br><br></TD>";
            cellsHTML += "\n";
            cellCount++;
    }

    return begTags + monthName + " " + yearName + "\n" + columnHeaders() + "\n" +
    cellsHTML + endTags;
}

function columnHeaders()
{
            var result = "";
            var weekStart = document.CalendarSettings.WeekStart.value;
            var weekHead2 = "</font></H2></center><TABLE width=\"100%\" border=1
            bordercolordark=\"#000000\" bordercolorlight=\"#FFFFFF\" cellpadding=\"5\">" + "\n"
            + "<TBODY><TR>";
             var weekHead3 = "<TH valign=center align=middle width=\"14%\"
            bgcolor=\"#000000\"><font size=\"1\" color=\"#FFFFFF\" face=\"Verdana\">"+"\n";
            var weekHead4 = "</font></TH>";
             result += weekHead2;
          var currday;
           for(var day = 1; day <= 7; day++)
           {
                   result += weekHead3;
                   currday = day + (weekStart - 1);
                   result += daysOfWeekShort[currday];
                 result += weekHead4;
           }
           result += "</TR><TR>";
           return result;
}
function reset()
{
            document.CalendarSettings.Month.value = 1;
            document.CalendarSettings.Year.value = 2008;
```

```
                document.CalendarSettings.SpecialYear.value = "";
                document.CalendarSettings.Day.value = 1;
                document.CalendarSettings.numMonths.value = 1;
}
</script>
</head>
<body >
<p>
<table align="center" width="88%">
<tbody>
<tr>
<td>
<form name="CalendarSettings">
 Select Year:
<select name="Year">
<option value="2009" selected="selected">2009
</option><option value="2010">2010
</option><option value="2011">2011
</option><option value="2012">2012
</option><option value="2013">2013
</option></select>

<b><i>Or </i></b> Enter year as a 4 digit number:
<input name="SpecialYear" size="3" type="text">
<p>
Select number of months to include in the calendar:
<select name="numMonths">
<option value="1" selected="selected">1
</option><option value="2">2
</option><option value="3">3
</option><option value="4">4
</option><option value="5">5
</option><option value="6">6
</option><option value="7">7
</option><option value="8">8
</option><option value="9">9
</option><option value="10">10
</option><option value="11">11
</option><option value="12">12
</option></select>
<br>
Select Starting Month:
```

```
<select name="Month">
<option value="1" selected="selected">January
</option><option value="2">February
</option><option value="3">March
</option><option value="4">April
</option><option value="5">May
</option><option value="6">June
</option><option value="7">July
</option><option value="8">August
</option><option value="9">September
</option><option value="10">October
</option><option value="11">November
</option><option value="12">December
</option></select>
<br>
<br>Select Day of Week for first column:
<select name="WeekStart">
<option value="1" selected="selected">Sunday
</option><option value="2">Monday
</option></select>
<br>
</p>
<table cellpadding="2" cellspacing="2" width="60%">
<tbody>
<tr>
<td valign="top">
<input value="Submit"  onClick="showCalendar()" type="button">
</td>
<td>
<b></b><input value="Reset" onclick="scroll(0,0);reset()" type="button">
</td>
</tr></tbody></table>
</body></html>
```

3. Create a form with following specifications.
   a) Our form uses frames, one to hold the links.
   b) Other is a larger frame that provides the main view.
   c) The links bar should contain 5 links, which when clicked, should display the appropriate HTML file in the larger frame.

```
<html>
<title>Form</title>
<Frameset cols="250,*">
<Frame name="Links" src="Links.html">
<frame name="Display">
</frameset>
</html>
```

Links.html

```
<html>
<title>Links</title>
<body >
<a href="1.html" target="Display">First program</a><br>
<a href="6.html" target="Display">Time program</a><br>
</body>
</html>
```

4. Simulate notepad help file in a html.

Note.html

```
<html>
<title>notepad</title>
<script>
function f()
{
        frm.t1.style.visibility="visible";
        frm.t2.style.visibility="visible"
}
function f1()
{
        window.open("about.html","name","height=350, width=350");

}
function f2()
{
        window.open("help.html","name","height=600, width=550 resizable=1");
}
</script>
<body>
<center>
<form name="frm">
<table border=0 bordercolor=plum cellspacing=1>
<tr><th><input type="button" value="help" onClick="f()"></tr>
<tr><td><input type="button" value="Help Topics" name="t1" style="visibility:hidden"
onClick="f2()">
</tr>
<tr><td><input type="button" value="About Notepad" name="t2" style="visibility:hidden"
onClick="f1()">
</tr>
</table>

</body>
</html>
```

Help.html
```
<html>
<frameset rows="10,80">
<frame name="f1" src="b.html">
```

```html
<frameset cols="50,50">
<frameset rows="15,15,70">
<frame name="f2" src="c.html">
<frame name="f4">
<frame name="f5" >
</frameset>
<frame name="f3">
</frameset>
</frameset></html>
```

About.html

```html
<html>
<title>About Notepad</title>
<body >
<script>
document.writeln("copyright@ 1985-2001<br>");
document.writeln("Microsoft Corporation        Microsoft");
document.writeln("<hr>");
document.writeln("Microsoft notepad<br>");
document.writeln("Version 5.1(service pack2)<br>");
document.writeln("copyright@ 1981-2001 Microsoft Corporation<br>")
document.writeln("<br>");
document.writeln("<br>");
document.writeln("<br>");
document.writeln("<br>");
document.writeln("This product is licenced under the terms of the End -user Licence aggrement to:");
document.writeln("DTS");
document.writeln("<hr>");
document.writeln("Physical memory available to windows:2,086,320KB");
</script>
<form>
<pre>
<input type="button" value="ok">
</form>
</body>
</html>
```

c.html

```html
<html>
<script>
```

```
function f()
{
        parent.f3.document.writeln("<br clear=left>Notepad");
        parent.f3.document.writeln("<h1>Notepad Overview</h1><br>");
        parent.f3.document.writeln("Notepad is a basic text editor that you can use to create simple
        documents. The most common use for Notepad is to view or edit text (.txt) files, but many users
        find Notepad a simple tool for creating Web pages.<br>");
        parent.f3.document.writeln("<br>Because Notepad supports only very basic formatting, you
        cannot accidentally save special formatting in documents that need to remain pure text. This is
        especially useful when creating HTML documents for a Web page because special characters or
        other formatting may not appear in your published Web page or may even cause errors.<br>");
        parent.f3.document.writeln("You can save your Notepad files as Unicode, ANSI, UTF-8, or big-
        endian Unicode. These formats provide you greater flexibility when working with documents
        that use different character sets.<br>");
        parent.f3.document.writeln("<a>Related Topics</a>");
}
function f1()
{
        parent.f5.document.writeln("<html><body><form >");
        parent.f5.document.writeln("type the keyword to find:<br>");
        parent.f5.document.writeln("<input type=text name=t><br>");
        parent.f5.document.writeln("select topic to display:<br>");
        parent.f5.document.writeln("<textarea  name=t1 rows=15, cols=25>");



}
function f2()
{
        parent.f4.document.writeln("<html><body><form >");
        parent.f4.document.writeln("type the keyword:<br>");
        parent.f4.document.writeln("<input type=text name=t><br>");
        parent.f4.document.writeln("<select name=s>");
        parent.f4.document.writeln("<option value=1>adding logs</option>");
        parent.f4.document.writeln("<option value=2>Line wrap</option>");
        parent.f4.document.writeln("<option value=3>horizontal printing</option>");
        parent.f4.document.writeln("</select><br>");
        parent.f4.document.writeln("<input type=button value=display>");

}
</script>
<body>
<form name="frm">
```

```
<input type="button" value="contents" onClick="f()">
<input type="button" value="index" onClick="f2()">
<input type="button" value="search" onClick="f1()">
</form>
</body>
</html>
```

b.html

```
<html>
<body>
<form name="frm">
<input type="button" value="hide">
<input type="button" value="back" disabled>
<input type="button" value="Forward" disabled>
Options<select name="s">
<option value="1">Hide</option>
<option value="2">Home</option>
<option value="3">Stop</option>
<option value="4">Refresh</option>
<option value="5">Internet options</option>
</select>
</form>
</body>
</html>
```

5. Write a Java script to differentiate between write() and writeln() methods.

```html
<html>
<head>
<title>write</title>
</head>
<body>
<script language="javascript">
document.write("<pre><h1>hai</h1></pre>");
document.writeln("<pre>hello,how r u</pre>");
</script>
</body>
</html>
```

6. Find the difference in hours between local time and Greenwich Mean Time using the Date object in java script.

```
<html>
<head>
<title>Time Object</title>
</head>
<body>
<script>
t=new Date();
document.writeln("Date is :" +t);
t1=t.toUTCString();
document.writeln("Date is :" +t1);
d=t.getTimezoneOffset(),
d=Math.abs(d);
document.writeln("Difference is :" +d);
hrs=(d/60);
document.writeln("Difference in hours is:" +hrs);
</script>
</body></html>
```

7. Create a bank entry form using appropriate form elements. The account number must not be visible on the screen. The name and address must be stored in one place. There must be a text box showing the opening balance of the customer. The user should be able to make a choice of either a deposit (or) withdrawal transaction. Accordingly, when the user deposits (or) withdraws money, the opening balance must be updated using CREDIT/DEBIT button. The user should not be able to make any entries in the opening balance text box.

```
<html>
<head>
<title>Bank</title>
<script>
function operations()
{
    j=document.bank.t5.length;
    alert(j);
    for(var i=0;i<j;i++)
    {
            if(document.bank.t5[i].selected)
            {
                    if(document.bank.t5[i].value==1)
                    {
                            document.bank.t4.value=Number(document.bank.t6.value)+Number(d
                            ocument.bank.t4.value);
                    }
                    else
                    {
                            bal=Number(document.bank.t4.value)-
                            Number(document.bank.t6.value);
                            if(bal<1000)
                            {
                                    alert("Withdraw is not possible,There is no sufficient amount");
                            }
                            else
                            {
                                    document.bank.t4.value=bal;
                            }
                    }
```

```
                    }
            }


    }
    </script>
    </head>
    <body text="red">
    <marquee behavior="scroll"><h1 align="center">Bank Information</h1></marquee>
    <br><br>
    <form name="bank">
    <h1>
    <pre>
    Name         <input type="text" name="t1"><br><br>
    Acc no       <input type="text" name="t2"><br><br>
    Address       <textArea name="t3" rows="5" cols="14"></textarea><br><br>
    Opening Balance  <input type="text" name="t4" value="1000" disabled><br><br>
    Operation      <select name="t5"><
    <option value="1">Deposit</option>
    <option value="2">Withdraw</option>
    </select>   Amount:<input type="text" name="t6" >
    <br><br>
     <input type="button" value="submit" onClick="operations()">
    </h1>
    </form>
    </body>
    </html>
```

8. Write a Java script to update the information into the array, in the onclick event of the button "Update".

```
<html>
<head>
<title>Array</title>
<script>
arr=new Array();
function a()
{
        n=window.prompt("enter size of array");
        alert("size is :"+n);
        for(i=0;i<n;i++)
        {
                arr[i]=window.prompt("enter element");
        }
        alert("the elements are:" +arr);

}
function b()
{

        alert("Before modification" +arr);
        d=arr.pop();
        alert("Deleted element is :" +d);
        el=window.prompt("enter element tp push");
        arr.push(el);
        arr=arr.concat(10,12);
        alert("After updation "+arr);

}


</script>
</head>
<body bgcolor=red>
<form>
<input type=button value="create" onClick=a()>
<input type=button value="update" onClick=b()>
</form>
</body>
```

```
</html>
```

9. Create forms for the objects "stu_info","College" and "Experience".
   Place textboxes for all the fields in the form "stu_info". Create
   two tables for storing data for the "college" and "experience" forms
   and place textboxes for all the fields in a three row format. Place
   two buttons "update" and "retrieve" in the form "execute".

   <u>Employee.html</u>

```
<html>
<head>
<title>Employee Form</title>
</head>
<body  text="red">
<marquee behavior="scroll"><h1>EMPLOYEE RETRIEVAL FORM</h1></marquee>
<form name="f4" method="get" action="http://localhost:8084/9/experience">
<pre>
Enter Employee ID  <input type="text" name="t1" >
<input type="submit" value="Get Information">
</pre>
</form>
</body>
</html>
```

<u>College.html</u>

```
<body text="red">
<marquee behavior="scroll"><h1><i>COLLEGE FORM</h1></marquee>
<form name="f2" method="post" action="http://localhost:8084/9/college">
<center>
<pre>
College Name    <input type="text" name="t1"><br><br>
 Location       <input type="text" name="t2"><br><br>
University Name <input type="text" name="t3"><br><br>
Phone No        <input type="text" name="t4"><br><br>
EMail Id        <input type="text" name="t5"><br><br>
                <input type="submit" value="Submit">
</pre>
</center>
</form>
</body></html>
```

Collegeget.html

```
<body text="red">
 <marquee behavior="scroll"><h1>COLLEGE RETRIEVAL FORM</h1></marquee>
<form name="f4" method="get" action="http://localhost:8084/9/college">
<pre>

                  Enter University Name  <input type="text" name="t1" >
                  <input type="submit" value="Get Information">
 </pre>
 </form>
 </body>
 </html>
```

Execute.html

```
<body>
<center>
<pre>
 <form name="f1" method="get" action="http://localhost:8084/9/retrieve.html">
 <input type="submit" value="Retrieve">
 </form>
 <form  name="f2" method="post" action="http://localhost:8084/9/update.html">
 <input type="submit" value="Update">
 </form>
 </form>
 </pre>
 </center>
 </body>
```

Experience.html

```
<body text="red">
<marquee behavior="scroll"><h1>EMPLOYEE EXPERIENCE FORM</h1></marquee>
<form name="f3" method="post" action="http://localhost:8084/9/experience">
 Employee Name     <input type="text" name="t1"><br><br>
 Employee Id     <input type="text" name="t2"><br><br>
Organization Name   <input type="text" name="t3"><br><br>
Date of Joining     <input type="text" name="t4"><br><br>
Dept Name        <input type="text" name="t5"><br><br>
Qualification     <input type="text" name="t6"><br><br>
 Experience        <input type="text" name="t7"><br><br>
```

```
 Salary        <input type="text" name="t8"><br><br>
               <input type="submit" value="Submit">
 </pre>
 </form>
 </body>
 </html>
```

Retrieve.html

```
<body>
 <center>
 <pre>
<form name="f1" method="get" action="http://localhost:8084/9/studentget.html">
 <input type="submit" value="Retrieve student information">
 </form>

<form  name="f2" method="get" action="http://localhost:8084/9/collegeget.html">
<input type="submit" value="Retrieve College information">
</form>
<form  name="f3" method="get" action="http://localhost:8084/9/Employee.html">
<input type="submit" value="Retrieve Employee information">
</form>
</pre>
</center>
</body>
</html>
```

Student.html

```
<body text="red">
<marquee behavior="scroll"><h1><i>STUDENT FORM</h1></marquee>
<form name="f1" method="post" action="http://localhost:8084/9/student">
<center>
<pre>
 Student Name  <input type="text" name="t1"><br><br>
 Class        <input type="text" name="t2"><br><br>
 Regd No       <input type="text" name="t3"><br><br>
 College Name  <input type="text" name="t4"><br><br>
 Branch        <input type="text" name="t5"><br><br>
 Percentage    <input type="text" name="t6"><br><br>
 Mobile No     <input type="text" name="t7"><br><br>
 EMail Id      <input type="text" name="t8"><br><br>
```

```
 <input type="submit" value="Submit">
 </pre>
</form>
</body>
</html>
```

Studentget.html

```
<body text="red">
<marquee behavior="scroll"><h1>STUDENT RETRIEVAL FORM</h1></marquee>
<form name="f4" method="get" action="http://localhost:8084/9/student">
<pre>
Enter Student RegdNo  <input type="text" name="t1" >
<input type="submit" value="GetStudent Information">
</pre>
</form>
</body>
</html>
```

Update.html
```
<body>
<center>
<pre>
 <form name="f1" method="post" action="http://localhost:8084/9/student.html">
 <input type="submit" value="post student information">
 </form>
 <form  name="f2" method="post" action="http://localhost:8084/9/college.html">
 <input type="submit" value="post College information">
 </form>
 <form  name="f3" method="post"   action="http://localhost:8084/9/experience.html">
<input type="submit" value="post Employee information">
</form>
</pre>
</center>
</body>
</html>
```

College.java

```
import java.io.*;
import java.net.*;
import javax.servlet.*;
```

```
import javax.servlet.http.*;
import java.sql.*;
import java.lang.String.*;
public class college extends HttpServlet {
protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
        Statement s=null;
        Connection c=null;
        ResultSet rs=null;
        try
        {
                Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
        c=DriverManager.getConnection("jdbc:odbc:stu", "scott","tiger");
        }
        catch(Exception e){ }
        try
        {
        s=c.createStatement();
                PrintWriter out=response.getWriter();
        String uname=request.getParameter("t1");
                rs=s.executeQuery("select * from college where university= ' " + uname + " ' " );
                out.println("<html>");
                out.println("<head>");
                out.println("<title>The servlet jdbc example</title>");
                out.println("</head>");
                out.println("<body>");
                out.println("<h1><center> College details </h1>");
                out.println("<h3> The following are the Student details</h3><br></center>");
                while(rs.next())
                {
                        out.println("<br><br>");
                        out.println("College Name:" +rs.getString(1)+"<br><br>");
                        out.println("Location:" +rs.getString(2)+"<br><br>");
                        out.println("University:" +rs.getString(3)+"<br><br>");
                        out.println("Phone No:" +rs.getInt(4)+"<br><br>");
                        out.println("Email Id:" +rs.getString(5)+"<br><br>");
                }
                out.println("</body>");
                 out.println("</html>");
        }
        catch(Exception ee)
        {
```

```java
        System.out.println(ee);
        }


    }
protected void doPost(HttpServletRequest request, HttpServletResponse        response)
  throws ServletException, IOException {
  Statement s=null;
  Connection c=null;
  try
  {
      Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
      c=DriverManager.getConnection("jdbc:odbc:stu", "scott","tiger");
  }
  catch(Exception e){ }
  String course;
  PrintWriter out=response.getWriter();
  String cname=request.getParameter("t1");
  String loc=request.getParameter("t2");
  String uname=request.getParameter("t3");
  String p=request.getParameter("t4");
  int ph=Integer.parseInt(p);
 String email=request.getParameter("t5");
 response.setContentType("text/html");
 out.println("hello World");
 // out.println(courses);
 try
 {
        s=c.createStatement();
          s.executeUpdate("insert into college values('" + cname + " ',' " +  loc +    " ',' " +
        uname + " ',' " + ph + "  ',' " + email + " ')");
        ResultSet rs=null;
        rs=s.executeQuery("select * from college");
        out.println("<html>");
        out.println("<head>");
        out.println("<title>The servlet jdbc example</title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<h1><center> College details </h1>");
          out.println("<h3> The following are College details </center><br>");
          while(rs.next())
        {
                cname=rs.getString(1);
```

```
                        loc=rs.getString(2);
                        uname=rs.getString(3);
                        ph=rs.getInt(4);
                        email=rs.getString(5);
                        out.println("College Name:" +cname+"<br>Location:" +loc+ "<br>University
                        Name:" +uname+ "<br>Phone No:" +ph+ "<br>Email id:" +email+ "<br><br>");
                }
            out.println("</body>");
            out.println("</html>");


        }
        catch (Exception ee)
        {
                System.out.println(ee);

        }
    }

}
```

Student.java
```
import java.io.*;
import java.net.*;
import java.lang.String;
import javax.servlet.*;
import javax.servlet.http.*;
import java.sql.*;
public class student extends HttpServlet {
protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
Statement s=null;
Connection c=null;
ResultSet rs=null;
try
{
        Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
      c=DriverManager.getConnection("jdbc:odbc:stu", "scott","tiger");

}
catch(Exception e){ }
try
{
```

```java
        s=c.createStatement();
        PrintWriter out=response.getWriter();
        String regdno=request.getParameter("t1");
         rs=s.executeQuery("select * from student where regdno= ' " + regdno + " ' " );
         out.println("<html>");
        out.println("<head>");
        out.println("<title>The servlet jdbc example</title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<h1><center> Student details </h1>");
        out.println("<h3> The following are the Student details</h3><br></center>");
        while(rs.next())
        {
                out.println("<br><br>");
        out.println("Name:" +rs.getString(1)+"<br><br>");
                out.println("Class:" +rs.getString(2)+"<br><br>");
                out.println("Regd No:" +rs.getString(3)+"<br><br>");
                out.println("College Name:" +rs.getString(4)+"<br><br>");
                out.println("Branch:" +rs.getString(5)+"<br><br>");
                out.println("Percentage:" +rs.getInt(6)+"<br><br>");
                out.println("Mobile No:" +rs.getString(7)+"<br><br>");
                out.println("EMail Id:" +rs.getString(8)+"<br><br>");
        }
        out.println("</body>");
        out.println("</html>");
    }
    catch(Exception ee)
    {
        System.out.println(ee);
    }
}

protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
Statement s=null;
Connection c=null;
 try
{
    Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
    c=DriverManager.getConnection("jdbc:odbc:stu", "scott","tiger");

}
```

```
catch(Exception e){ }
String name=request.getParameter("t1");
String Class=request.getParameter("t2");
String regdno=request.getParameter("t3");
String cname=request.getParameter("t4");
String branch=request.getParameter("t5");
String p=request.getParameter("t6");
int percentage=Integer.parseInt(p);
String mobile=request.getParameter("t7");
//int mobile=Integer.parseInt(m);
String email=request.getParameter("t8");
PrintWriter out=response.getWriter();
response.setContentType("text/html");
out.println("hello World");
try
{
       s=c.createStatement();
        s.executeUpdate("insert into student values('" + name + " ',' " + Class + " ',' " +       regdno + "
      ',' " + cname + "  ',' " + branch + " ',' " + percentage + " ',' " + mobile + " ',' " + email + "')");
       ResultSet rs=null;
       rs=s.executeQuery("select * from student");
       out.println("<html>");
       out.println("<head>");
       out.println("<title>The servlet jdbc example</title>");
       out.println("</head>");
       out.println("<body>");
       out.println("<h1><center> Student details </h1>");
       out.println("<h3> The following are the Student details</h3><br></center>");
       while(rs.next())
       {
               name=rs.getString(1);
                      Class=rs.getString(2);
                       regdno=rs.getString(3);
                       cname=rs.getString(4);
                       branch=rs.getString(5);
                       percentage=rs.getInt(6);
                       mobile=rs.getString(7);
                       email=rs.getString(8);
                       out.println("Name:" +name);
                       out.println("Name:" +name+"<br>Class:" +Class+ "<br>Regd No:" +regdno+
                       "<br>College Name:" +cname+ "<br>Branch:" +branch+ "<br>Percentage:"
                       +percentage+ "<br>Mobile No:" +mobile+ "<br>EMail Id:" +email+  "<br><br>");
```

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```java
            }
            out.println("</body>");
            out.println("</html>");
        }
        catch (Exception ee)
        {
                    System.out.println(ee);

        }

    }

}
```

Experience.java

```java
import java.io.*;
import java.net.*;
import java.lang.String;
import javax.servlet.*;
import javax.servlet.http.*;
import java.sql.*;
public class experience extends HttpServlet {
protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
Statement s=null;
Connection c=null;
ResultSet rs=null;
try
{
            Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
            c=DriverManager.getConnection("jdbc:odbc:stu", "scott","tiger");
 }
    catch(Exception e){ }
     try
    {
                s=c.createStatement();
        PrintWriter out=response.getWriter();
                String id=request.getParameter("t1");
                rs=s.executeQuery("select * from exp where id= ' " + id + " ' " );
                out.println("<html>");
                out.println("<head>");
                out.println("<title>The servlet jdbc example</title>");
                out.println("</head>");
```

```java
                out.println("<body>");
                out.println("<h1><center> Employee details </h1>");
                out.println("<h3> The following are the Employee details</h3><br></center>");
                while(rs.next())
                {
                        out.println("<br><br>");
                        out.println("Employee Name:" +rs.getString(1)+"<br><br>");
                        out.println("Employee ID:" +rs.getString(2)+"<br><br>");
                        out.println("Organization Name:" +rs.getString(3)+"<br><br>");
                        out.println("Join Date:" +rs.getString(4)+"<br><br>");
                        out.println("Department Name:" +rs.getString(5)+"<br><br>");
                        out.println("Qualification:" +rs.getString(6)+"<br><br>");
                        out.println("Experience:" +rs.getInt(7)+"<br><br>");
                        out.println("Salary:" +rs.getInt(8)+"<br><br>");
                }
                out.println("</body>");
                out.println("</html>");
        }
      catch(Exception ee)
      {
       System.out.println(ee);
       }
}
protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
Statement s=null;
Connection c=null;
 try
 {
        Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
        c=DriverManager.getConnection("jdbc:odbc:stu", "scott","tiger");
 }
  catch(Exception e){ }
    String ename=request.getParameter("t1");
    String eno=request.getParameter("t2");
    String orgname=request.getParameter("t3");
    String joindate=request.getParameter("t4");
    String dname=request.getParameter("t5");
    String qual=request.getParameter("t6");
    String e=request.getParameter("t7");
    int exp=Integer.parseInt(e);
    String s1=request.getParameter("t8");
```

```
        int sal=Integer.parseInt(s1);
        PrintWriter out=response.getWriter();
        response.setContentType("text/html");
        out.println("hello World");
        try
        {
          s=c.createStatement();
          s.executeUpdate("insert into exp values('" + ename + " ',' " + eno + " ',' " + orgname + " ',' " +
joindate + "  ',' " + dname + " ',' " + qual + " ',' " + exp + " ',' " + sal + "')");
          ResultSet rs=null;
          rs=s.executeQuery("select * from exp");
          out.println("<html>");
          out.println("<head>");
          out.println("<title>The servlet jdbc example</title>");
          out.println("</head>");
          out.println("<body>");
          out.println("<h1><center> Employee details </h1>");
          out.println("<h3> The following are the Employee Experience details</h3><br></center>");
          while(rs.next())
          {
            ename=rs.getString(1);
            eno=rs.getString(2);
            orgname=rs.getString(3);
            joindate=rs.getString(4);
            dname=rs.getString(5);
            qual=rs.getString(6);
            exp=rs.getInt(7);
            sal=rs.getInt(8);
            out.println("Employee Name:" +ename+"<br>Employee ID:" +eno+ "<br>Organization
Name:" +orgname+ "<br>Join Date:" +joindate+ "<br>Dept Name:" +dname+ "<br>Qualification:"
+qual+ "<br>Experience:" +exp+ "<br>Salary:" +sal+  "<br><br>");
          }
          out.println("</body>");
          out.println("</html>");
          }
        catch (Exception ee)
        {
          System.out.println(ee);

        }
        }
    }
```

10.Create a web page for a shopping mall that allows the user to tick off his purchases and obtain the bill with the total being added up simultaneously.

```
<html>
<head>
<script language="javascript">
function changes()
{
        var i=document.form1.product1.selectedIndex;
        if(i==0)
                 document.form1.p1.value="333.3";
        else if(i==1)
                document.form1.p1.value="1299.0";
        else
                document.form1.p1.value="12000.0";
}
function changes1()
{
        var i=document.form1.product2.selectedIndex;
        if(i==0)
                document.form1.p2.value="15.0"
        else if(i==1)
                document.form1.p2.value="10.0";
        else
                document.form1.p2.value="5.0";
}

function changes3()
{
        var i=document.form1.product3.selectedIndex;
        if(i==0)
                document.form1.p3.value="500.0";
        else if(i==1)
                document.form1.p3.value="1000.0";
        else
                document.form1.p3.value="1500.0";
}

function findindividuals()
{
```

```
        document.form1.t1.value=parseFloat(document.form1.p1.value)*parseFloat(document.form1.q
        1.value);
        document.form1.t2.value=parseFloat(document.form1.p2.value)*parseFloat(document.form1.q
        2.value);
        document.form1.t3.value=parseFloat(document.form1.p3.value)*parseFloat(document.form1.q
        3.value);
 }
function Findbill()
{
        var b=0.0;
        if(document.form1.check1.checked==true)
        b+=parseFloat(document.form1.p1.value)*parseFloat(document.form1.q1.value);
        if(document.form1.check2.checked==true)
        b+=parseFloat(document.form1.p2.value)*parseFloat(document.form1.q2.value);
        if(document.form1.check3.checked==true)
       b+=parseFloat(document.form1.p3.value)*parseFloat(document.form1.q3.value);
        document.form1.grandtotal1.value=b;
}
</script>
</head>
<body bgcolor="#aaacd">
<center><u><h3> Shopping Mall's Bill</h3></center></u><b><font face="Arial Black"    size=3
color="green">
<pre>          Item          Price          Quantity          Total</pre><b></font>
<form name="form1">
<input type="checkbox" name="check1">Electonic goods
<select name="product1" onChange="changes()">
<option value="Lamp">Lamp</option>
<option value="Camera">Camera</option>
<option value="VCD" selected>Vedio player</option>
</select>&nbsp&nbsp&nbsp
<input type="text" name=p1 value="12000.0" readonly>
<input type="text" name=q1>
<input type="text" name=t1 value="0.0" readonly><br>
<input type="checkbox" name="check2">chacolates &nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp
<select name="product2" onChange="changes1()">
<option value="Snickers">Snickers</option>
<option value="dairymilk">Dairy milk</option>
<option value="5star" selected>5star</option>
</select>&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp
<input type="text" name=p2 value="5.0" readonly>
<input type="text" name=q2>
```

```html
<input type="text" name=t2 value="0.0" readonly><br>
<input type="checkbox" name="check3"> Gift Articles&nbsp&nbsp&nbsp&nbsp&nbsp
<select name="product3" onChange=changes3()>
<option value="Plaster of Paris">Plaster of Paris</option>
<option value="Glass">Glass</option>
<option value="Metal" selected>Metal</option>
</select>
<input type="text" name=p3 value="1500.0" readonly>
<input type="text" name=q3>
<input type="text" name=t3 value="0.0" readonly><p>
<center><input type="button" name="individual" value="Find Individual Total"
onClick="findindividuals()"></center><p>
<input type="button" name="grand total" value="Find Total"
onClick="Findbill()">&nbsp&nbsp&nbsp&nbsp&nbsp
<input type="text" name="grandtotal1" value="0.0" readonly>
</form>
</body>
</html>
```

11. Use the suitable date functions to prompt the user for an integer between 1-31 and return the day of the week it represents.

```html
<html>
<title>Date</title>
<script>
function d()
{
        d=window.prompt("enter a date 1-31","1");
        y=window.prompt("enter a year","2011");
        m=window.prompt("enter a month","1");
        var d1=new Date(y,m-1,d);
        t=d1.getDay();
        document.writeln(t);
        if(t==0)
                document.writeln("Current day is sunday");
        else if(t==1)
                document.writeln("Current day is Monday");
        else if(t==2)
                document.writeln("Current day is Tuesday");
        else if(t==3)
                document.writeln("Current day is Wednesday");
        else if(t==4)
                document.writeln("Current day is Thursday");
        else if(t==5)
                document.writeln("Current day is Friday");
        else
                document.writeln("Current day is saturday");
}
</script>
<body>
<input type="button" value="submit" onClick="d()">
</html>
```

12. **Write a script to find the duplicate elements of an array.**

```
<html>
<title>Array</title>
<script>
a1=new Array();
n=window.prompt("enter n value");
alert("size of array is:" +n);
for(i=0;i<n;i++)
{
        a1[i]=window.prompt("enter elements");

}
documnet.writeln("Elements are:"+a1);
function dup()
{

        for(i=0;i<n;i++)
        {
                if(a1[i]==a1[i+1])
                break;

        }
        if(a1[i]==a1[i+1])
                document.writeln("Duplicate element is:"+a1[i]);
}
</script>
<body bgcolor=red>
<input type=button value=Duplicate OnClick=dup()>

</body>
</html>
```

13. Write validation function for checking the alphabetical and number fields.

```html
<html>
<title>Validation</title>
<body>
<form name="f1">
Name <input type="text" name="fname" OnBlur="checkName()"><br><br>
Age   <input type="text" name="age" OnBlur="checkAge()"><br><br>
<input type="button" value="submit" OnClick="display()">
<input type="reset" value="clear">
</form>
<script language="javascript">
var v1,v2;
function checkName()
{
        v1=document.f1.fname.value;
        if(!isNaN(v1))
        {
                alert("please enter a character");
                document.f1.fname.value=" ";
                document.f1.fname.focus();
        }
}
function checkAge()
{
        v2=document.f1.age.value;
        if(isNaN(v2))
        {
                alert("please enter number");
                document.f1.age.value=" ";
                document.f1.age.focus();
        }
}
function display()
{
        document.writeln("The name is " +v1+"<br>");
        document.writeln("the age is" +v2+"<br>");
}
</script>
</body>
</html>
```

14. Using the concept of "Nested Frames", obtain the output as follows:

The right hand frame must display the output of the file, that is entered in the top-left frame. The bottom left-hand frame displays the selected background color.

```
<html>
<head>
</head>
<frameset cols="30%,*">
<frameset rows="50%,*">
<frame name="frame1" src="bouse.html">
<frame name="frame2" src="color.html">
</frameset>
<frame name="frame3" src="d.html">
</frameset>
</html>
```

14a.html

```
<html>
 <head><title> brouse </title>
 <script language="javascript">
 function a()
 {
     var p="height=500,width=500";
     var newwindow=open(document.form1.b1.value,target="frame3",p);
```

```
 }
 </script>
</head>
<body>
<form name=form1 method=post>
<input type=file name=b1>
<input type=submit name=submit value=submit onclick=a()>
</form>
</body>
</html>
```

14b.html

```
<html>
<body>
<form name="form3">
 Enter Background color: <input type="text" name="t2" value=" ">
<input type="button" value="ok"
onClick="parent.f3.document.bgColor=parent.f2.document.form3.t2.value">
</form>
</body>
</html>
```

14c.html

```
<html>
<body >
        <h1> Initial Page </h1>
</body>
</htm>
```

15. Create a home page for "Cyber book stores" that will display the various books available, the authors and prices pf the books. Include a list box that contains various subjects and a "submit" button, that displays information about the books on the subject required by the user.

```html
<html>
<title>cyber book sores</title>
<body bgcolor="violet">
<marquee behavior="scroll">Welcome to Cyber Book Stores</marquee>
<table cellpadding="5" cellspacing="20">
<tr>
<td>Author:N.p.Gopalan<br>title:WT<br>
<a href="11link.html"><img src="z://wt.wmf" width="100" height="100"></img></a>
cost:200/-</td>
<td>Author:sudarshan<br>title:DBMS<br>
<a href="22link.html"><img src="z://dbms.wmf" width="100" height="100"></img></a>
cost:250/-</td>
<td>Author:Galvin<br>title:Os<br>
<a href="33link.html"><img src="z://Os.wmf" width="100" height="100"></img></a>
cost:300/-</td>
<td>
<form name="f1">
select a book <select name="books">
<option value="WT">WT</option>
<option value="DBMS">DBMS</option>
<option value="OS">OS</option>
<option value="CN">CN</option>
<option value="OS1">OS1</option></select>
<br><br><br>
<input type="button" value="display" onclick="display()">
</td>
</tr>
<tr>
<td>Author:Silberschatz <br> title:OS1<br>
<a href="44link.html"><img src="z://os1.wmf" width="100" height="100"></img></a>
cost:350/-</td>
<td>Author:Tanenbaum <br> title:CN<br>
<a href="55link.html"><img src="z://cn.wmf" width="100" height="100"></img></a>
cost:300/-</td>
```

```
</tr>
</form>
</table>
<script language="javascript">
var i,j;
function display()
{
        j=document.f1.books.length;
        for(i=0;i<j;i++)
        {
                if(document.f1.books[i].selected)
                {
                        if(document.f1.books[i].value=='WT')
                                window.open("Z:\\11link.html");
                        else if(document.f1.books[i].value=='DBMS')
                                window.open("Z:\\22link.html");
                        else if(document.f1.books[i].value=='OS')
                                window.open("Z:\\33link.html");
                        else if(document.f1.books[i].value=='OS1')
                                window.open("Z:\\44link.html");
                        else if(document.f1.books[i].value=='CN')
                                window.open("Z:\\55link.html");
                        else
                                document.write("not valid");
                }
        }
}
</script>
</body>
</html>
```

11link.html

```
<html>
<title>22link</title>
<body bgcolor="green"><table><tr><td>
<img src="z://dbms.wmf" width="100" height="100"></img>
</td>
<td>This subject describes the database system organization</td></tr></table>
</body>
</html>
```

22link.html

```
<html>
<title>22link</title>
<body bgcolor="green"><table><tr><td>
<img src="z://dbms.wmf" width="100" height="100"></img>
</td>
<td>This subject describes the database system organization</td></tr></table>
</body>
</html>
```

33link.html
```
<html>
<title>33link</title>
<body bgcolor="yellow"><table><tr><td>
<img src="z://Os.wmf" width="100" height="100"></img>
</td>
<td>This subject describes operating system </td></tr></table>
</body>
</html>
```

44link.html

```
<html>
<title>44link</title>
<body bgcolor="grey"><table><tr><td>
<img src="z://os1.wmf" width="100" height="100"></img>
</td>
<td>This subject describes operating system </td></tr></table>
</body>
</html>
```
55link.html

```
<html>
<title>44link</title>
<body bgcolor="grey"><table><tr><td>
<img src="z://os1.wmf" width="100" height="100"></img>
</td>
<td>This subject describes operating system </td></tr></table>
</body>
</html>
```

16.Create a Html form that interacts with user. Collect first name, last name and date of birth and display that information back to the user.

```html
<html>
<title>Interaction with user</title>
<body bgcolor="skyblue">
<form name="f1">
First Name <input type="text" name="fname"><br><br>
Last Name   <input type="text" name="lname"><br><br>
DOB   <input type="text" name="dob"><br><br>

<input type="button" value="submit" OnClick="display()">
<input type="reset" value="clear">
</form>
<script language="javascript">
var v1,v2,v3;
function display()
{
        v1=document.f1.fname.value;
        v2=document.f1.lname.value;
        v3=document.f1.dob.value;
        document.writeln("The first name is "   +v1+"<br>");
        document.writeln("the last name is"     +v2+"<br>");
        document.writeln("the date of birth is"   +v3+"<br>");

}
</script>
</body>
</html>
```

17.Write a script which generates different greetings each time the script is executed.

```
<html>
<title>Greeting</title>
<script language="javascript">
var name;
d=new Date();
h=d.getHours();
name=window.prompt("please enter your name");
if(h<12)
        document.write("<h1>Good Morning, ");
if(h>=12)
{
        h=h-12;
        if(h<6)
                document.write("<h1>Good Afternoon, ");
        if(h>=6)
                document.write("<h1>Good Evening,  ");
}
document.writeln(name+ "  Welcome to java Script programming</h1>");
</script>
</html>
```

18. **Write a script that takes input from user and displays the same in upper case.**

```
<html>
<title>Upper case</title>
<script language="javascript">
var name;
name=window.prompt("please enter your name");
document.writeln("Name is:" +name);
document.write("<br>");
document.writeln(" Name in uppercase is:" +name.toUpperCase());
</script>
</html>
```

19. **Illustrate different types of filters on a sample text.**

```
<html>
<title>filters</title>
<body  text=green>
<marquee behavior="scroll">FILTERS</marquee>
<h4 style="position:absolute;top:50;left:40;font-family:arial;filter:alpha">Alpha</h4><br>
<h4 style="position:absolute;top:80;left:40;font-family:arial;filter:blur">Blur</h4><br>
<h4 style="position:absolute;top:110;left:40;font-family:arial;filter:chroma">Chroma</h4><br>
<h4 style="position:absolute;top:140;left:40;font-family:arial;filter:flipV">Flipv</h4><br>
<h4 style="position:absolute;top:170;left:40;font-family:arial;filter:flipH">Fliph</h4><br>
<h4 style="position:absolute;top:200;left:40;font-family:arial;filter:dropShadow">Drop
Shadow</h4><br>
<h4 style="position:absolute;top:230;left:40;font-family:arial;filter:shadow">Shadow</h4><br>
<h4 style="position:absolute;top:260;left:40;font-family:arial;filter:wave">Wave</h4><br>
<h4 style="position:absolute;top:290;left:40;font-
family:arial;filter:glow(color=green)">Glow</h4><br>
<h4 style="position:absolute;top:320;left:40;font-family:arial;filter:x-ray">X-Ray</h4><br>
<h4 style="position:absolute;top:350;left:40;font-family:arial;filter:mask(red)">Mask</h4><br>
<h4 style="position:absolute;top:380;left:40;font-family:arial;filter:invert">Invert</h4><br>
</body>
</html>
```

20.Create a inline style sheet.

```
<html>
<title>Inline Style Sheet</title>
<body style="background-image:url('C:\Documents and Settings\All Users\Documents\My
Pictures\Sample Pictures\Sunset.jpg');
background-repeat:no-repeat;
margin-top:100px;
margin-bottom:100px;
margin-left:200px;
margin-right:200px;
background-position:right top;
background-attachment:fixed;
font-size:large;
color=skyblue;">Hai,Hello to all.
<h1 style="margin-top:100px;
          margin-bottom:200px;
          margin-left:100px;
          margin-right:200px;
          text-decoration:underline;
          font-family:arial;
          font-style:italic;
          font-size:medium;
          font-varient:small;
          font-weight:lighter;
          color:white;"> Knowledge is devine</h1>
           <p style="border-style:solid;
          font-family:arial;
          font-style:Bold;
          font-size:medium;
          font-varient:small;
          font-weight:lighter;
          color:yellow;">Inline style sheet</p>
<a style="text-decoration:none;">Anchor without link</a>
</body>
</html>
```

21. Illustrate the use of an embedded style sheet.

```html
<html>
<title>Embedded style Sheet</title>
<style type="text/css">
body
{
background-repeat:no-repeat;
margin-top:100px;
margin-bottom:100px;
margin-left:200px;
margin-right:200px;
background-position:right top;
background-attachment:fixed;
color=skyblue;
}
h1
{
        text-decoration:underline;
        font-family:arial;
        font-style:italic;
        font-size:medium;
        font-varient:small;
        font-weight:lighter;
        color:black;
}
p
{
        border-style:solid;
        font-family:arial;
        font-style:Bold;
        font-size:medium;
        font-varient:small;
        font-weight:lighter;
        color:yellow;
}
a
{
 text-decoration:none;
}
</style>
```

```
<body>Body section
<h1>Header</h1>
<p>Paragraph</p>
<a>Anchor</a>
</body>
</html>
```

22. Create an external style sheet to illustrate the font elements.

```
<html>
<title>External style Sheet</title>
<link rel="Stylesheet"
 type="text/css"
 href="external.css">
 </link>
<body>Decision
<h1>Planning</h1>
<p>Hardwork</p>
<a>Success</a>
</body>
</html>
```

External.css
```
body
{
        background-repeat:no-repeat;
        background-position:right top;
        background-attachment:fixed;
        color=red;
}
h1
{
         text-decoration:underline;
         font-family:arial;
         font-style:italic;
         font-size:medium;
         font-varient:small;
         font-weight:lighter;
         color:black;
}
p
{
```

```
        border-style:dotted;
        font-family:arial;
        font-style:Bold;
        font-size:medium;
        font-varient:small;
        font-weight:lighter;
        color:red;
        text-transform:uppercase;
}
a
{
        text-decoration:blink;
}
```

23. Create a file with html code and insert two anchors to point to a specific area in the code.

```
<html>
<title>Intra document linking</title>
<body>
<h1>Table of contents</h1>
<ol>
<li><a href=#intro>Introduction</a>
<li><a href=#desc>Description</a>
<li><a href=#code>Code</a>
<li><a href=#con>Conclusion</a>
</ol>
<h1><a name=intro>Introduction</a></h1>
This is the introduction part.It tells about links and how to create intra
links with in the document.This is part of html.Html means hyper text markup language.
<h1><a name=desc>Description</a></h1>
This is the description part.It tells about links and how to create intra
links with in the document.This is part of html.Html means hyper text markup language.
<h1><a name=code>Codes</a></h1>
This is the codes part.It tells about links and how to create intra
links with in the document.This is part of html.Html means hyper text markup language.
<h1><a name=con>Conclusion</a></h1>
This is the conclusion part.It tells about links and how to create intra
links with in the document.This is part of html.Html means hyper text markup language.
</body>
</html>
```

24. Illustrate the creation of clickable images in HTML.

```
<html>
<head>
<title>Image</title>
</head>
<body>
<p><font color="violet"><i> It is the clickable image</i></font></p>
<img src="C:\Documents and Settings\All Users\Documents\My Pictures\Sample
Pictures\Sunset.jpg" width="300" height="300" usemap="#picture" ISMAP>
<map name="picture">
<area  href="Z:\Sunset.jpg" coords="90,50,150", shape="circle">
</map>
```

```
        </body>
        </html>
```

25. With suitable example sepict how to align text and images uisng table tag.
    Time table program along with image

26. Simulate the "Clip Art" gallery of M.S.Word in HTML, using suitable tags.

```
<html>
<title>clipart</title>
<body text="Gold">
<marquee behavior="scroll"><h1>CLIP ART GALLERY</h1></marquee>
<img src="C:\Documents and Settings\All Users\Documents\My Pictures\Sample
Pictures\Sunset.jpg"
width="100" height="100" usemap="#pic1" alt="Sunset" ISMAP>
<map name="pic1">
<area href="Sunset.jpg" coords="10,0,20,10" shape="rect" target="display">
</map>
<img src="C:\Documents and Settings\All Users\Documents\My Pictures\Sample Pictures\Blue
hills.jpg"
width="100" height="100" usemap="#pic2" alt="Blue hills" ISMAP>
<map name="pic2">
<area href="Blue hills.jpg" coords="10,0,20,10" shape="rect" target="display">
</map>
<img src="C:\Documents and Settings\All Users\Documents\My Pictures\Sample
Pictures\Winter.jpg"
width="100" height="100" usemap="#pic3" alt="Winter" ISMAP>
<map name="pic3">
<area href="Winter.jpg" coords="10,0,20,10" shape="rect" target="display">
</map>
<img src="C:\Documents and Settings\All Users\Documents\My Pictures\Sample Pictures\Water
lilies.jpg"
width="100" height="100" usemap="#pic4" alt="Sunset" ISMAP>
<map name="pic4">
<area href="Water lilies.jpg" coords="10,0,20,10" shape="rect" target="display">
</map>
</body>
</html>
```

27. Using functions, write a Java Script code that accepts user name and password from user. Check their correctness and display appropriate alert messages. Restrict the user to try only for a maximum of three times.

```html
<html>
<head>
<script language="javascript">
var count=1;
function authenticate()
{
    alert(document.frm.user.value);
    alert(document.frm.pass.value);
    if (count<=3)
    {
            if(document.frm.user.value=="sss" && document.frm.pass.value=="sss")
            {
                    document.writeln("welcome!");
            }
            else
            {
                    alert("Incorrect username and password");
                    frm.user.value="" ;
                    frm.user.focus();
                    frm.pass.value="";
                    count++;
            }
    }
    else
    {
            alert("invlid login reload the page");
            frm.user.value="";
            frm.pass.value="";
    }
}
</script>
</head>
<body>
<form name="frm">
 User Name: <input type="text" name="user" ><br><br>
 Password: <input type="password" name="pass" value=""><br><br>
```

```
<input type="button" value="send" onClick="authenticate()">
</form>
</body>
</html>
```

28. Modify the above program
    a) After a lapse of 15 sec the password should be generated.
    b) For impatient users,place abutton that displays the password
       immediately.

```
<html>
<head>
<script language="javascript">
var count=1;
function authenticate()
{
    alert(document.frm.user.value);
alert(document.frm.pass.value);
    if (count<=3)
    {
            if(document.frm.user.value=="sss" && document.frm.pass.value=="sss")
            {
                    document.writeln("welcome!");

            }
            else
            {
                    alert("Incorrect username and password");
                    frm.pass.value="" ;
                    frm.pass.focus();
                    if(frm.pass.value=="")
                            t=setTimeout("f()",15000);

                    count++;
            }
    }
    else
    {
            alert("invlid login reload the page");
            frm.user.value="";
```

```
                frm.pass.value="";
        }
}
function f()
{
                frm.pass.value="sss";
}
</script>
</head>
<body>
<form name="frm">
User Name: <input type="text" name="user" ><br><br>
Password: <input type="password" name="pass" value=""><br><br>
<input type="button" value="send" onClick="authenticate()">
<input type="button" value="generate password" onClick="f()">
</form>
</body>
</html>
```

29. Write a script to open a new window after clicking a button new .After displaying the new window the original windoe should be closed immediately. Write **an application to create a "customer interaction form", that accepts the name, age and salary of a customer who approaches the bank to obtain education loan for their children. He should furnish details about his marital status and children. Accept this information in textboxes and two check boxes. Display whether the customer is eligible for the loan (or) not, based on the furnished information.**

New.html

```
<html>
<title>New</title>
<script>
var generator;
function f()
{
        generator=window.open("customer.html","name","height=450,width=700,
        resizable=1,menubar=1 scrollbar=1");
        parent.close();
}
</script>
<body>
<form name="frm">
<input type="button" value="newWindow" onClick="f()">
</form>
</body>s
</html>
```

Customer.html

```
<html>
<title>customer intercation form</title>
<script language="javascript">
function loan()
{
        a=parseInt(frm.t2.value);
        alert(a);
        if(a<20 && a>60)
```

```
        {
                        alert("loan is not sanctioned");
        }
        else
        {
                alert("loan is sactioned");
        }

}
</script>
<body>
<form name="frm">
Name:<input type="text" name="t1"><br>
Age:<input type="text" name="t2"><br>
Salary:<input type="text" name="t3"><br>
Martial Status: Married <input type="checkbox" value="Married" name="c1">
Single <input type="checkbox" value="single" name="c2"><br>
No of children:<input type="text" name="t4"><br>
<input type="button" value="ok" onClick="loan()">
</form>
</body>
</html>
```