

Notes and Assignment on Java Script-1

Subject Name: **WEB TECHNOLOGY (CS501)**

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Why Study JavaScript?

JavaScript is one of the **3 languages** all web developers **must** learn:

1. **HTML** to define the content of web pages
2. **CSS** to specify the layout of web pages
3. **JavaScript** to program the behavior of web pages

JavaScript Can Change HTML Content

One of many JavaScript HTML methods(function) is **getElementById()**.

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>What Can JavaScript Do?</h2>
```

```
<p id="demo">JavaScript can change HTML content.</p>
```

```
<button type="button" onclick='document.getElementById("demo").innerHTML = "Hello  
JavaScript!"'>Click Me!</button>
```

```
</body>
```

```
</html>
```

JavaScript Can Change HTML Attribute Values

In this example JavaScript changes the value of the **src** (source) attribute of an **** tag:

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>What Can JavaScript Do?</h2>
```

```
<p>JavaScript can change HTML attribute values.</p>
```

```
<p>In this case JavaScript changes the value of the src (source) attribute of an image.</p>
```

```
<button onclick="document.getElementById('myImage').src='pic_bulbon.gif'">Turn on the light</button>
```

```


<button onclick="document.getElementById('myImage').src='pic_bulboff.gif'">Turn off the light</button>

</body>
</html>
```

JavaScript Can Change HTML Styles (CSS)

Changing the style of an HTML element, is a variant of changing an HTML attribute:

```
<!DOCTYPE html>
<html>
<body>

<h2>What Can JavaScript Do?</h2>

<p id="demo">JavaScript can change the style of an HTML element.</p>

<button type="button" onclick="document.getElementById('demo').style.fontSize='35px'">Click
Me!</button>

</body>
</html>
```

JavaScript Can Hide HTML Elements

Hiding HTML elements can be done by changing the display style:

```
<!DOCTYPE html>
<html>
<body>

<h2>What Can JavaScript Do?</h2>

<p id="demo">JavaScript can hide HTML elements.</p>

<button type="button" onclick="document.getElementById('demo').style.display='none'">Click
Me!</button>

</body>
</html>
```

JavaScript Can Show HTML Elements

Showing hidden HTML elements can also be done by changing the display style:

```
<!DOCTYPE html>
<html>
<body>
<h2>What Can JavaScript Do?</h2>
<p id="demo">JavaScript can hide HTML elements.</p>

<button type="button"
onclick="document.getElementById('myImage').style.display='none'">Hide</button>
<button type="button"
onclick="document.getElementById('myImage').style.display='block'">Show</button>

</body>
</html>
```

Assignments:

- 1) Write an HTML web page which can change the size of image using java script.
- 2) Write an HTML web page which can change the font color of particular tag.
- 3) Write an HTML web page which can change the font type of particular tag.
- 4) Write an HTML web page which can Show and Hide a Table.
- 5) Write an HTML web page which can change the font color of particular tag. Use four buttons Red, Green, Blue, #2f3b7a.

Reference: These notes prepared by
https://www.w3schools.com/js/js_intro.asp