

## Lecture-1

# JAVA-SCRIPT(JS) CONTENT

1-Introduction of JAVA-SCRIPT (JS)-

2- JAVA-SCRIPT (JS) Elements-

- **Finding HTML Element by Id.**

### Example-

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

<p id="intro">Hello World!</p>

<p>This example demonstrates the <b>getElementById</b>
method!</p>

<p id="demo"></p>

<script>

var myElement = document.getElementById("intro");

document.getElementById("demo").innerHTML =

"The text from the intro paragraph is " + myElement.innerHTML;

</script>

</body>
</html>
```

- **Finding HTML Element by Tag Name.**

## Example-

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<p>Hello World!</p>
```

```
<p>The DOM is very useful.</p>
```

```
<p>This example demonstrates the
```

```
<b>getElementsByName</b> method</p>
```

```
<p id="demo"></p>
```

```
<script>
```

```
var x = document.getElementsByTagName("p");
```

```
document.getElementById("demo").innerHTML =
```

```
The first paragraph (index 0) is: ' + x[0].innerHTML;
```

```
</script>
```

```
</body>
```

```
</html>
```

- **Finding HTML Element by Class Name.**

## Example-

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<p>Hello World!</p>
```

```
<p class="intro">The DOM is very useful.</p>
```

```
<p class="intro">This example demonstrates the
```

```
<b>getElementsByClassName</b> method.</p>
```

```
<p id="demo"></p>
```

```
<script>
var x = document.getElementsByClassName("intro");
document.getElementById("demo").innerHTML =
"The first paragraph (index 0) with class="intro": ' +
x[0].innerHTML;
</script>
</body>
</html>
```

## Lecture-2

### 3- JAVA-SCRIPT (JS) Variables-

JavaScript variables are containers for storing data values.

#### Example-

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

<h2>JavaScript Variables</h2>

<p id="demo"></p>

<script>
var price1 = 5;
var price2 = 9;
var total = price1 + price2;
document.getElementById("demo").innerHTML =
"The total is: " + total;
</script>
```

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

## 4- Creating JAVA-SCRIPT (JS) Variable-

Creating a variable in JavaScript is called "declaring" a variable.

### Examples-

```
<!DOCTYPE html>  
  
<html>  
  
<body>  
  
<h2>JavaScript Variables</h2>  
  
<p>Create a variable, assign a value to it, and display it:</p>  
  
<p id="demo"></p>  
  
<script>  
var carName = "Volvo";  
document.getElementById("demo").innerHTML = carName;  
</script>  
  
</body>  
  
</html>
```

## 4- One Statement, Many Variables in JAVA SCRIPT-

You can declare many variables in one statement.

Start the statement with **var** and separate the variables by **comma**:

### Example-

```
<!DOCTYPE html>

<html>

<body>

<h2>JavaScript Variables</h2>

<p>You can declare many variables in one statement.</p>

<p id="demo"></p>

<script>
var person = "John Doe", carName = "Volvo", price = 200;
document.getElementById("demo").innerHTML = carName;
</script>

</body>
```

```
</html>
```

NOTE- You can also declared like this.

## Examples-

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>JavaScript Variables</h2>
```

```
<p>Strings are written with quotes.</p>
```

```
<p>Numbers are written without quotes.</p>
```

```
<p>Try to experiment by removing the // comments.</p>
```

```
<p id="demo"></p>
```

```
<script>
```

```
var pi = 3.14;
```

```
var person = "John Doe";
```

```
var answer = 'Yes I am!';
```

```
document.getElementById("demo").innerHTML = pi;
```

```
//document.getElementById("demo").innerHTML = person;
```

```
//document.getElementById("demo").innerHTML = answer;
```

```
</script>
```

```
</body>
```

```
</html>
```

## 5- JAVA SCRIPT popup Boxes-

- Alert box-

An alert box is often used if you want to make sure information comes through to the user.

### Example-

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>JavaScript Alert</h2>
```

```
<button onclick="myFunction()">Try it</button>
```

```
<script>
```

```
function myFunction() {
```

```
    alert("I am an alert box!");
```

```
}
```

```
</script>
```

```
</body>
```

```
</html>
```

- **Confirm Box-**

A confirm box is often used if you want the user to verify or accept something.

When a confirm box pops up, the user will have to click either "OK" or "Cancel" to proceed.

## **Example-**

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>JavaScript Confirm Box</h2>
```

```
<button onclick="myFunction()">Trssy it</button>
```

```
<p id="demo"></p>
```

```
<script>
```

```
function myFunction() {
```

```
var txt;
```



```
    if (confirm("Press a button!") == true) {  
        txt = "You pressed OK!";  
    } else {  
        txt = "You pressed Cancel!";  
    }  
    document.getElementById("demo").innerHTML = txt;  
}  
</script>  
  
</body>  
  
</html>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>JavaScript Alert</h2>
```

```
<button onclick="myFunction()">Try it</button>
```

```
<script>
```

```
function myFunction() {
```

```
confirm("I am an confirm box!");
```

```
}
```

```
</script>
```

```
</body>
```

```
</html>
```

- **Prompt Box-**

A prompt box is often used if you want the user to input a value before entering a page.

## **Example-**

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>JavaScript Prompt</h2>
```

```
<button onclick="myFunction()">Try it</button>
```

```
<p id="demo"></p>
```

```
<script>
```

```
function myFunction() {
```

```
var txt;  
  
var person = prompt("Please enter your name:", "Harry Potter");  
  
if (person == null || person == "") {  
    txt = "User cancelled the prompt.";  
} else {  
    txt = "Hello " + person + "! How are you today?";  
}  
  
document.getElementById("demo").innerHTML = txt;  
}  
  
</script>  
  
</body>  
  
</html>
```