

## Lecture-3

### 6- JAVA SCRIPT Line Break-

To display line breaks inside a popup box, use a back-slash followed by the character n

#### Example-

```
<!DOCTYPE html>

<html>

<body>

<h2>JavaScript</h2>

<p>Line-breaks in a popup box.</p>

<button onclick="alert('Hello\nHow are you?')">Try
it</button>

</body>

</html>
```

### 7- JAVA SCRIPT Strings-

A JavaScript string simply stores a series of characters like "Rahman Anas".

#### Example-

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

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

```
<script>
```

```
var carName1 = "Volvo XC60";
```

```
var carName2 = 'Volvo XC60';
```

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

```
carName1 + "<br>" + carName2;
```

```
</script>
```

```
</body>
```

```
</html>
```

## 8- JAVA SCRIPT Strings Length-

The length of a string is found in the built in property length:

### **Example-**

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>JavaScript String Properties</h2>
```

```
<p>The length property returns the length of a  
string:</p>
```

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

```
<script>
```

```
var txt = "WALEE-UR-RAHMAN";
```

```
document.getElementById("demo").innerHTML =  
txt.length;
```

```
</script>
```

```
</body>
```

```
</html>
```

## 9- Adding Special Character in JAVA SCRIPT-

Because strings must be written within quotes, JavaScript will misunderstand this string:

### Example-

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

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

```
<script>
```

```
var x = 'It\'s alright';
```

```
var y = "We are the so-called \"Vikings\" from the  
north.";
```

```
document.getElementById("demo").innerHTML = x +  
"<br>" + y;
```

```
</script>
```

```
</body>
```

```
</html>
```

## 10- JAVA SCRIPT Numbers-

JavaScript has only one type of number. Numbers can be written with or without decimals.

## Example-

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>JavaScript Numbers</h2>
```

```
<p>Numbers can be written with or without decimals:</p>
```

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

```
<script>
```

```
var x = 3.14;
```

```
var y = 3;
```

```
document.getElementById("demo").innerHTML = x + "<br>"  
+ y;
```

```
</script>
```

```
</body>
```

```
</html>
```

## 11- Adding Numbers and Strings-

## Example-

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h2>JavaScript Numbers</h2>
```

```
<p>A common mistake is to expect this result to be  
102030:</p>
```

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

```
<script>
```

```
var x = 10;
```

```
var y = 20;
```

```
var z = "30";
```

```
var result = x + y + z;
```

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

```
</script>
```

```
</body>
```

```
</html>
```

## Lecture-4

### 12- Conditional Statement in JAVA SCRIPT-

Conditional statements are used to perform different actions based on different conditions.

- The If Statement-

Use the if statement to specify a block of JavaScript code to be executed if a condition is true.

#### Example-

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

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

```
<script>
```

```
if (5 > 2) {
```

```
    document.getElementById("demo").innerHTML = "Well done!";
```

```
}
```

```
</script>
```

```
</body>
```

```
</html>
```

- **The else Statement-**

Use the else statement to specify a block of code to be executed if the condition is false.

## **Example-**

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<p>Click the button to display a time-based greeting:</p>
```

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

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

```
<script>
```

```
function myFunction() {
```

```
    var hour = new Date().getHours();
```

```
    var greeting;
```

```
    if (hour < 18) {
```

```
        greeting = "Good day";
```

```
    } else {
```



```
        greeting = "Good evening";
    }

    document.getElementById("demo").innerHTML = greeting;
}
</script>

</body>
</html>
```

- The else if Statement-

Use the **else if** statement to specify a new condition if the first condition is false.

## Example-

```
<!DOCTYPE html>

<html>

<body>

<p>Click the button to get a time-based greeting:</p>

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

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

<script>
```

```
function myFunction() {  
  var greeting;  
  var time = new Date().getHours();  
  if (time < 10) {  
    greeting = "Good morning";  
  } else if (time < 20) {  
    greeting = "Good day";  
  } else {  
    greeting = "Good evening";  
  }  
  document.getElementById("demo").innerHTML = greeting;  
}  
</script>  
  
</body>  
  
</html>
```