



Department of Software Engineering
Web Engineering

Lab # 9

Submitted by:
MUHAMMAD UZAIR NISAR

Roll Number
SP21026

Submitted to:
Ma'am Nabeela Bibi

The if Statement

HTML File

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JavaScript</title>
  <script src="lab_9.js" defer></script>
</head>
<body>
  <p>Display "Good day!" if the hour is less than 18:00:</p>
  <p id="demo">Good Evening!</p>
</body>
</html>
```

JS File

```
let hours = new Date().getHours();
if (hours < 18) {
  document.getElementById("demo").innerHTML = "Good day!";
}
```

The else Statement:

HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JavaScript</title>
  <script src="lab_9.js" defer></script>
</head>
<body>
  <p>Click the button to display a time-
    based greeting:</p>
```

```
<button onclick="myfunction()">Try  
it</button>  
<p id="demo"></p>  
</body>  
</html>
```

JS File

```
function myfunction(){  
    var hour = new Date().getHours();  
    var greetings;  
    if (hour>18){  
        greetings = "Good Day!";  
    }  
    else{  
        greetings = "Good Evening!";  
    }  
    document.getElementById("demo").innerHTML = greetings;  
}
```

The else if Statement:

HTML

```
<!DOCTYPE html>  
<html lang="en">  
<head>  
    <meta charset="UTF-8">  
    <meta name="viewport" content="width=device-width, initial-scale=1.0">  
    <title>JavaScript</title>  
    <script src="lab_9.js" defer></script>  
</head>  
<body>  
    <p>Click the button to display a time-  
    based greeting:</p>  
    <button onclick="myfunction()">Try  
    it</button>  
    <p id="demo"></p>  
</body>  
</html>
```

JS File

```
function myfunction(){
    var hour = new Date().getHours();
    var greetings;
    if (hour>10){
        greetings = "Good Morning!";
    }
    else if(hour < 20){
        greetings = "Good Day!";
    }
    else{
        greetings = "Good Evening!";
    }
    document.getElementById("demo").innerHTML = greetings;
}
```

The switch Statement

HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>JavaScript</title>
    <script src="lab_9.js" defer></script>
</head>
<body>
    <p>Click the button to get today name:</p>
    <button onclick="myfunction()">Try
    it</button>
    <p id="demo"></p>
</body>
</html>
```

JS File

```
function myfunction(){
    var day;
```

```
switch(new Date().getDay()){
  case 0:
    day = "Sunday";
  case 1:
    day = "Monday";
  case 2:
    day = "Tuesday";
  case 3:
    day = "Wednesday";
  case 4:
    day = "Thursday";
  case 5:
    day = "Friday";
  case 6:
    day = "Saturday";
}
document.getElementById("demo").innerHTML = "Today is " + day;
}
```

The for Loop

HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JavaScript</title>
  <script src="lab_9.js" defer></script>
</head>
<body>
  <p>Display :</p>
  <p id="demo"></p>
</body>
</html>
```

JS File

```
var text = ""
```

```
var i;
for (i = 0; i<5; i++){
    text += "The number is " + i + "<br>";
}
document.getElementById("demo").innerHTML = text;
```

The while Loop

HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>JavaScript</title>
    <script src="lab_9.js" defer></script>
</head>
<body>
    <p>Display :</p>
    <p id="demo"></p>
</body>
</html>
```

JS File

```
var text = ""
var i=0;
while (i < 10){
    text += "<br>The number is " + i;
    i++;
}
document.getElementById("demo").innerHTML = text;
```

The do/while Loop

HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>JavaScript</title>
<script src="lab_9.js" defer></script>
</head>
<body>
  <p>Display :</p>
  <p id="demo"></p>
</body>
</html>
```

JS File

```
var text = ""
var i=0;
do {
  text += "<br>The number is " + i;
  i++;
}
while(i<10);
document.getElementById("demo").innerHTML = text;
```