

**NATIONAL UNIVERSITY OF MODERN LANGUAGES,
ISLAMABAD**



Web Engineering - Lab

Lab # 6

Submitted By

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Submitted To

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Date: 09/12/2023

JavaScript Basics

If Statement

HTML Code

```
<!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>
```

JavaScript Code

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

Else Statement

HTML Code

```
<!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>
```

JavaScript Code

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

Else If Statement

HTML Code

```
<!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>
```

JavaScript Code

```
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;
}
```

Switch Statement

HTML Code

```
<!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>
```

JavaScript Code

```
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;
```

```
}
```

For Loop

HTML Code

```
<!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>
```

JavaScript Code

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

While Loop

HTML Code

```
<!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>
```

JavaScript Code

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

Do While Loop

HTML Code

```
<!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>
```

JavaScript Code

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