## **NATIONAL UNIVERSITY OF MODERN LANGUAGES, ISLAMABAD**

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**Web Engineering - Lab**

**Lab # 6**

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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;