Assignment 4

Q1.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Even Odd</title>

</head>

<body>

<center>

<h1>

Check whether the entered Number is even or odd.

</h1>

</center>

<script defer src = "Q1.js">

</script>

<center>

<mark>

<b>

To see the Output, press F12 on the keyboard.

</b>

</mark>

</center>

</body>

</html>

Q1.js

// Getting the number

let num = prompt("Please enter a number");

let evenOdd = function(num) {

num = parseInt(num);

let classify = (num % 2) == 0 ? "even" : "odd";

return classify;

}

let classify = evenOdd(num);

console.log(`The number entered is ${num} and Number is ${classify}`);

Q2.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>OS Name and Version</title>

</head>

<body>

<center>

<h1>

Log the OS name and version on the console.

</h1>

</center>

<script defer src = "Q2.js">

</script>

<center>

<mark>

<b>

To see the Output, press F12 on the keyboard.

</b>

</mark>

</center>

</body>

</html>

Q2.js

// Getting the name and version

let nameAndVersion = prompt("Please neter the name and version of OS. (Seperated by space)");

nameAndVersion = nameAndVersion.split(" ");

console.log(`The OS name is ${nameAndVersion[0]} and version is ${nameAndVersion[1]}`);

Q3.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Grading</title>

</head>

<body>

<center>

<h1>

Giving grade to the user on the basis of marks.

</h1>

</center>

<script defer src = "Q3.js">

</script>

<center>

<mark>

<b>

To see the Output, press F12 on the keyboard.

</b>

</mark>

</center>

</body>

</html>

Q3.js

// Getting the marks

let marks = parseInt(prompt("Plaese enter your marks"));

// Generating grade using "if" statement

console.log(`Generating grade using "if" statement,`);

if(marks >= 0 && marks <= 40)

{

console.log(`Marks are ${marks} and grade is F`);

}

else if(marks >= 41 && marks <= 50)

{

console.log(`Marks are ${marks} and grade is D`);

}

else if(marks >= 51 && marks <= 55)

{

console.log(`Marks are ${marks} and grade is C`);

}

else if(marks >= 55 && marks <= 65)

{

console.log(`Marks are ${marks} and grade is C+`);

}

else if(marks >= 65 && marks <= 75)

{

console.log(`Marks are ${marks} and grade is B`);

}

else if(marks >= 75 && marks <= 80)

{

console.log(`Marks are ${marks} and grade is B+`);

}

else if(marks >= 80 && marks <= 100)

{

console.log(`Marks are ${marks} and grade is A`);

}

else

{

console.error("INVALID INPUT");

}

console.log(" ");

// Generating grade using "switch case"

console.log(`Generating grade using "switch case",`)

switch(true)

{

case (marks >= 0 && marks <= 40) :

console.log(`Marks are ${marks} and grade is F`);

break;

case (marks >= 41 && marks <= 50) :

console.log(`Marks are ${marks} and grade is D`);

break;

case (marks >= 51 && marks <= 55) :

console.log(`Marks are ${marks} and grade is C`);

break;

case (marks >= 55 && marks <= 65) :

console.log(`Marks are ${marks} and grade is C+`);

break;

case (marks >= 65 && marks <= 75) :

console.log(`Marks are ${marks} and grade is B`);

break;

case (marks >= 75 && marks <= 80) :

console.log(`Marks are ${marks} and grade is B+`);

break;

case (marks >= 80 && marks <= 100) :

console.log(`Marks are ${marks} and grade is A`);

break;

default :

console.error("INVALID INPUT");

}

console.log(" ");

// Generating grade using "ternary" operator

console.log(`Generating grade using "ternary operator",`)

let stmt = (marks >= 0 && marks <= 40) ? `Marks are ${marks} and grade is F` :

(marks >= 41 && marks <= 50) ? `Marks are ${marks} and grade is D` :

(marks >= 51 && marks <= 55) ? `Marks are ${marks} and grade is C` :

(marks >= 55 && marks <= 65) ? `Marks are ${marks} and grade is C+` :

(marks >= 65 && marks <= 75) ? `Marks are ${marks} and grade is B` :

(marks >= 75 && marks <= 80) ? `Marks are ${marks} and grade is B+` :

(marks >= 80 && marks <= 100) ? `Marks are ${marks} and grade is A` :

"INVALID INPUT";

console.log(stmt);