**Assignment 2.2**

**Deliverable 1**

* **Variables in Javascript**

var a; // variable declaration

var b = "aman gupta"; // string

var c = "Hi" + " " + "Jii"; // = "Hi Jii"

var d = 1 + 2 + "3"; // = "33"

var e = [2,3,5,8]; // array

var f = false; // boolean

var g = /()/; // RegEx

var h = function(){}; // function object

const PI = 3.14; // constant

var a = 1, b = 2, c = a + b; // one line

let z = 'zzz'; // block scope local

* **Output in Javascript**

console.log(a); // write to the browse

document.write(a); // write to the HTML

alert(a); // output in an alert at browser

confirm("Really?"); // yes/no dialog, return yes or no

prompt("Your age?","0"); // input dialog section

* **Conditionals in Javascript**

if(name=== “X”)

{

console.log(“you are X”);

}

else

{

console.log(“you are fake person”);

}

* **Loops in Javascript**
  + **for loop**

for(var i=1;i<=10;i++)

{

console.log(i);

}

* + **while loop**

var i=1;

**while(i<=10)**

**{**

console.log(i);

i++;

}

* + **do-while loop**

var i=0;

do{

console.log(i);

i++;

}while(i<=10);

* **Adding Javascript to HTML**
  + **On page script-**

<script type= “javascript” >

</script>

* + **External**

<script src= “filename.js” ></script>

* **Arrays in javascript**

var arr= [“X”, “Y”,”is”,”here”];

var arr= new Array(“my”, “name”, “is”, “X Y”);

alert(arr[0]); // output the 0th index of array.

arr[1]= “new”; //update the 1st index value.

* + **METHODS**

arr.toString(); // convert to string.

Arr.join(“ “); // join the array using spaces.

Arr.pop(); // remove the last element.

Arr.push(“aman”); // add the element to last.

Arr.sort(); // sort the array in ascending order.

Arr.reverse(); // reverse the array.

Var len= arr.length; // get the length of array;

* **Functions in Javascript**

// definition

function multiply(a,b){

return a\*b;

}

//call

multiply(5,6);

* **Delay**

// this function is displayed after 1000ms/1sec.

setTimeout(function(){

},1000);

* **Edit DOM Element**

// DOM- Document Object Model

* + By id

document.getElementById(“id name”).innerHTML= variable;

* + By class

document.getElementByClass(“class name”).innerHTML= variable;

* **Handling Errors in Javascript**

try{

//body

}

Catch(err)

{

Console.log(err.message);

}

* + Throw

throw “My error message”;