**MD WALID WISE**

**1800937**

1)

<!DOCTYPE html>

<html>

<head>

<meta charset="utf-8" />

<title>Array example</title>

<script>

//Global varaibles

var value = []; //an array for the widths

var count = 0; //the number of the elements

//This function inserts a new value into the array

function insert() {

value[count] = Number(document.getElementById("value").value);

count = count + 1;

document.getElementById("result1").innerHTML = "Observation values:"+value;

//document.getElementById("result2").innerHTML = "The l1 is: " + l1;

//document.getElementById("result3").innerHTML = "";

}

//This function prints all the values in the array and their indexes

var l1 ;

var l2 ;

var resultm,resultb,resultg ;

function display() {

l1= Number(document.getElementById("l1").value);

l2= Number(document.getElementById("l2").value);

resultm ="";

resultb ="";

resultg ="";

for(i = 0; i<value.length; i++) {

if (value[i] < l1){

resultm = resultm + value[i] ;

}

else if (value[i]>= l1 && value[i]<=l2){

resultb=resultb + value[i];

}

else if (value[i]>l2){

resultg=resultg + value[i];

}

}

document.getElementById("resultm").innerHTML = "Less than " + l1 + " : " + resultm;

document.getElementById("resultb").innerHTML = "Between " + l1 + " and " + l2 + " : " + resultb;

document.getElementById("resultg").innerHTML = "Greater than " + l2 + " : " + resultg;

}

</script>

</head>

<body>

<h1>Research Results</h1>

<h2>Observations</h2>

Observation value: <input id="value" type="text"><input type="button" value="Insert" onclick="insert()"><br>

<p id="result1"></p>

Classification Limits:<br>

<br>Limit 1: <input id="l1" type="text">Limit 2: <input id="l2" type="text">

<input type="button" value="Classify" onclick="display()">

</p>

<p id="resultm"></p>

<p id="resultb"></p>

<p id="resultg"></p>

</body>

</html>

![A screenshot of a social media post

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2.1)

<!DOCTYPE html>

<html>

<body>

<h2>Array Sort</h2>

<p>The sort() method sorts an array alphabetically.</p>

<button onclick="myFunction()">Try it</button>

<p id="demo"></p>

<script>

var fruits = ["Banana", "Orange", "Apple", "Mango","yellow","jack fruite"];

document.getElementById("demo").innerHTML = fruits;

function myFunction() {

fruits.sort();

document.getElementById("demo").innerHTML = fruits;

}

</script>

</body>

</html>

![A screenshot of a cell phone

Description automatically generated]()

2.2) <!DOCTYPE html>

<html>

<body>

<h2>Array Sort with numbers</h2>

<p>The sort() method sorts an array neumerically.</p>

<button onclick="myFunction()">Try it</button>

<p id="demo"></p>

<script>

var fruits = [1,6,0,2,6,1,8,9,3,2];

document.getElementById("demo").innerHTML = fruits;

function myFunction() {

fruits.sort();

document.getElementById("demo").innerHTML = fruits;

}

</script>

</body>

</html>

![A screenshot of a cell phone

Description automatically generated]()