Programming Concepts
Week 6 **Credit** Submission Tasks Template

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Credit Task 15 HTML code

Paste the HTML code of the web page here.

```html
1   <!DOCTYPE html>
2     <meta name="description" content="Arrays">
3     <meta name="keywords" content="javascript, arrays, html, web">
4     <meta name="author" content="Mario Stavreski ID: 103055993">
5     <title>Credit Task: Arrays 2</title>
6     <script src="w6c1.js"></script>
7
8   </head>
9   <body>
10  <header>
11    <h1>Credit Task: Arrays</h1>
12  </header>
13  <article>
14    <div id="content" style=" border-width:2px;border-style: solid; padding: 10px;">
15      <label for="value">Enter Low Value</label><br>
16      <input type="text" name="value" id="value"><br><br><br>
17
18      <button onclick="start()">Search</button><br>
19      <p id="arr"></p>
20      <p id="result"></p>
21
22    </div>
23  </article>
24  <footer><p>Produced by Mario Stavreski</p></footer>
25
26  </body></html>
27  |
```
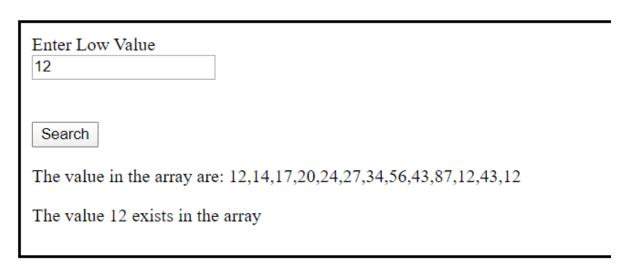
Credit Task 15 JavaScript code

Paste the JavaScript code of the same page here.

```
1    /* Filename: w6c1.js
2      Target html: w6c1.html
3      Purpose : This file locates whether a value exists within an array
4      Author: Mario Stavreski
5      Date written: 26/04/2020
6      Revisions:  v1.0
7    */
8
9    // This function locates whether a value exists within an array
10   function start(){
11     var arr=[12,14,17,20,24,27,34,56,43,87,12,43,12];
12     document.getElementById("result").innerHTML="";
13     document.getElementById("arr").innerHTML="";
14     var flag=false;
15     var value=document.getElementById("value").value;
16     if(!isNaN(value)){
17         document.getElementById("arr").innerHTML="The value in the array are: "+arr;
18         for(var i=0 ;i<arr.length;i++){
19             if(arr[i]==value){
20                 document.getElementById("result").innerHTML="The value "+value+" exists in the array";
21                 flag=true;
22                 break;
23             }
24         }
25         if(flag==false){
26             document.getElementById("result").innerHTML="The value "+value+" does not exist in the array";
27         }
28
29     }
30     else{
31         document.getElementById("result").innerHTML="Please enter numeric values";
32     }
33   }
34   window onload = init:
```

Credit Task 15 web page testing (at least 4 tests as per the handout)

Paste the screen captures of your testing web page here.

Credit Task: Arrays

Enter Low Value

12

Search

The value in the array are: 12,14,17,20,24,27,34,56,43,87,12,43,12

The value 12 exists in the array

Produced by Mario Stavreski

Credit Task: Arrays

Enter Low Value

43

Search

The value in the array are: 12,14,17,20,24,27,34,56,43,87,12,43,12

The value 43 exists in the array

Produced by Mario Stavreski

Credit Task: Arrays

Enter Low Value

69

Search

The value in the array are: 12,14,17,20,24,27,34,56,43,87,12,43,12

The value 69 does not exist in the array

Produced by Mario Stavreski

Credit Task: Arrays

Enter Low Value

99

Search

The value in the array are: 12,14,17,20,24,27,34,56,43,87,12,43,12

The value 99 does not exist in the array

Produced by Mario Stavreski

Credit Task 16 HTML code

Paste the HTML code of the web page here.

```
1    <!DOCTYPE html>
2      <meta name="description" content="Arrays">
3      <meta name="keywords" content="javascript, arrays, html, web">
4      <meta name="author" content="Mario Stavreski ID: 103055993">
5      <title>Credit Task: Arrays</title>
6      <script src="w6c.js"></script>
7    </head>
8    <body>
9    <header>
10     <h1>Credit Task: Arrays</h1>
11   </header>
12   <article>
13     <div id="content" style=" border-width:2px;border-style: solid; padding: 10px;">
14       <label for="lowValue">Enter Low Value</label><br>
15       <input type="text" name="lowValue" id="lowValue"><br><br><br>
16
17       <label for="highValue">Enter High Value</label><br>
18       <input type="text" name="highValue" id="highValue">
19       <button onclick="start()">Search</button><br>
20       <p id="arr"></p>
21       <p id="result"></p>
22
23     </div>
24   </article>
25   <footer><p> &copy;Produced by Mario Stavreski ID: 103055993</p></footer>
26
27   </body></html>
28
```

Credit Task 16 JavaScript code

Paste the JavaScript code of the same page here.

```
1   /* Filename: w6c1.js
2      Target html: w6c1.html
3      Purpose : This file finds which value belong to the arrays between 2 values
4      Author: Mario Stavreski
5      Date written: 26/04/2020
6      Revisions:  v1.0
7   */
8
9   // [ brief comment on what the function does�]
10  function start(){
11    var arr=[12,14,17,20,24,27,34,56,43,87,12,43,12];
12    var j=0;
13    var lowValue=document.getElementById("lowValue").value;
14    var highValue=document.getElementById("highValue").value;
15    document.getElementById("result").innerHTML="";
16    document.getElementById("arr").innerHTML="";
17    if(!isNaN(lowValue)&&!isNaN(highValue)){
18      if(lowValue < highValue ){
19          for(var i=0 ;i<arr.length;i++){
20            if(arr[i]>lowValue && arr[i]<highValue){
21              j++
22            }
23          }
24          document.getElementById("arr").innerHTML="The values in the array are: "+arr;
25          document.getElementById("result").innerHTML="There are " + j+" values in this range";
26      }
27      else{
28        document.getElementById("result").innerHTML="Please enter low value less than high value";
29      }
30    }
31    else{
32      document.getElementById("result").innerHTML="Please enter numeric values";
33    }
34  }
35
36  window.onload = init;
37
```

Credit Task 16 web page testing

Paste the screen captures of your testing web page here.

Credit Task: Arrays

Enter Low Value

10

Enter High Value

12   Search

The values in the array are: 12,14,17,20,24,27,34,56,43,87,12,43,12

There are 0 values in this range

Credit Task: Arrays

Enter Low Value

13

Enter High Value

15   Search

The values in the array are: 12,14,17,20,24,27,34,56,43,87,

There are 1 values in this range

Credit Task: Arrays

Enter Low Value

11

Enter High Value

20   Search

The values in the array are: 12,14,17,20,24,27,34,56,43,87,12,43,12

There are 5 values in this range

Credit Task: Arrays

Enter Low Value

20

Enter High Value

14   Search

Please enter low value less than highvalue

Credit Task: Arrays

Enter Low Value

13

Enter High Value

ABC   Search

Please enter numeric values