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.

```
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 number to search for: </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        <p id="msg2"></p>
22
23    </div>
24  </article>
25  <footer><p>Produced by Mario Stavreski</p></footer>
26
27  </body></html>
28
```

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 i = 0;
15     var values = 0;
16     var number = document.getElementById("value").value;
17
18     for (i=0;i<arr.length; i++) {
19       values = values + arr[i] + "</br>";
20     }
21     document.getElementById("arr").innerHTML = "The values in the array are: " + values;
22
23
24     var i = 0;
25     var result = number + " does not exist within the array.";
26
27     while (i < arr.length) {
28       if(arr[i] == number) {
29         var result = number + " exists within the array.";
30       }
31       i++;
32     }
33     document.getElementById("msg2").innerHTML = result;
34   }
35
36   window.onload = init;
37
```

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 number to search for:

12

Search

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

12 exists within the array.

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Credit Task: Arrays

Enter number to search for:

43

Search

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

43 exists within the array.

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Credit Task: Arrays

Enter number to search for:

69

Search

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

69 does not exist within the array.

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Credit Task: Arrays

Enter number to search for:

99

Search

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

99 does not exist within the array.

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Credit Task 16 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</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   // this function check how many values from an array belong to a certain range
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)){ //checks how many values are within the range
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; //displays the values in the array
25            document.getElementById("result").innerHTML="There are " + j+" values in this range"; //shows the number of values within the range entered by the user
26        }
27        else{
28          document.getElementById("result").innerHTML="Please enter low value less than high value"; //displays error message if low value > high value
29        }
30      }
31      else{
32        document.getElementById("result").innerHTML="Please enter numeric values"; //displays error message if user inputs non 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

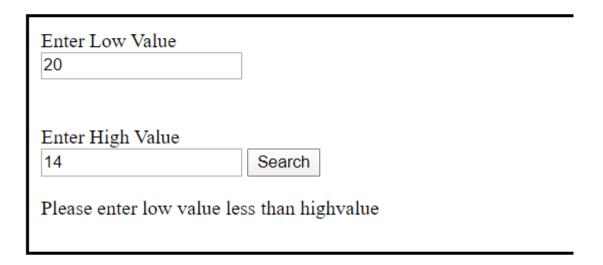There are 0 values in this range

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