

Programming Concepts

Week 6 **Credit** Submission Tasks Template

Student ID: _____103055993_____

Student Name: _____Mario Stavreski_____

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> Enter number to search for: <input type="text" id="value"/></label>
16     <button type="button" id="search">Search</button><br>
17     <p id="arr"></p>
18     <p id="result"></p>
19     <p id="errorMsg"></p>
20   </div>
21 </article>
22 <footer><p>Produced by Mario Stavreski</p></footer>
23
24 </body></html>
25
```

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
10 function init() {
11     document.getElementById("search").onclick = start;
12 }
13 function start(){ // This function locates whether a value exists within an array
14     var arr=[12,14,17,20,24,27,34,56,43,87,12,43,12];
15     var arrString = arr.join(', ');
16     var searchValue = document.getElementById("value").value;
17     vIndex = 0;
18     var vFound = false;
19     while (vIndex < arr.length && !vFound) {
20         if (arr[vIndex] == searchValue) {
21             vFound = true;
22         }
23         vIndex ++
24     }
25
26     if(vFound == true) { // displays message if value exists within array
27         document.getElementById("arr").innerHTML = "The values in the array are: " + arrString;
28         document.getElementById("result").innerHTML = " The value " + searchValue + " exists within the array.";
29     } else { // displays message if value does NOT exist within array
30         document.getElementById("arr").innerHTML = "The values in the array are: " + arrString;
31         document.getElementById("errorMsg").innerHTML ="The value " + searchValue + " does not exist within the array.";
32     }
33 }
34 window.onload = init;
35 |

```

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:

The values in the array are: 12

14

17

20

24

27

34

56

43

87

12

43

12

12 exists within the array.

Produced by Mario Stavreski

Credit Task: Arrays

Enter number to search for:

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

The value 12 exists within the array.

Produced by Mario Stavreski

Credit Task: Arrays

Enter number to search for:

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

The value 43 exists within the array.

Produced by Mario Stavreski

Credit Task: Arrays

Enter number to search for:

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

The value 69 does not exist within the array.

Produced by Mario Stavreski

Credit Task: Arrays

Enter number to search for:

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

The value 99 does not exist within 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: wdc1.js
2   Target html: wdc1.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 vValues=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                     vValues++
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 " + vValues + " 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

Enter High Value

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

©Produced by Mario Stavreski ID: 103055993

Credit Task: Arrays

Enter Low Value

Enter High Value

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

There are 1 values in this range

©Produced by Mario Stavreski ID: 103055993

Credit Task: Arrays

Enter Low Value

Enter High Value

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

©Produced by Mario Stavreski ID: 103055993

Credit Task: Arrays

Enter Low Value

Enter High Value

Please enter low value less than highvalue

©Produced by Mario Stavreski ID: 103055993

Credit Task: Arrays

Enter Low Value

Enter High Value

Please enter numeric values

©Produced by Mario Stavreski ID: 103055993
