SCSV1223 Web Programming Semester 2, 2014/2015

Tutorial 4e Javascript: *Array Objects*

Objectives:

The tutorial should help you to understand:

Array object

Preparing the Tutorial:

- 1. Create a new folder.
- 2. Download "Tutorial 4ce- Material" and place it within the created new folder.
- 3. Extract the downloaded file into the same folder.

Array Object:

1. Open the **T4e-1.html** file with the use of any text editor (e.g., Textpad). Complete the files with the following script. Once completed, *preview* the result in a *web browser* and try to understand how the scripts work. Pay attention to the **highlighted** text. The output should look like Figure 1.

```
<html>
      <head> <title>Arrays</title></head>
   <body>
     Product's Name Unit Price <br/> (RM)  Quatity  Price
<br />
<b
               <script language="Javascript">
                     var products = new Array("Speaker", "Head phone", "Keyboard", "Mouse");
                     var prices= [7,15,12,30,10]; //another format for creating array
                     var qty_count=0;
                     var total_unitprice=0;
                     var total_price=0;
                     for (var i=0; iiioducts.length; i++)
                           total_unitprice += prices[i];
                           document.writeln("");
                           document.writeln("", products[i],"",
                                                                                  "", prices[i], "");
                           document.writeln("", ' ', "");
                           document.writeln("", ' ', "");
                           document.writeln("");
            </script>
                     Total 
                                <script language="javascript"> </script>
```

Product's Name	Unit Price (RM)	Quatity	Price (RM)
Speaker	7		
Head phone	15		
Keyboard	12		
Mouse	30		
	Total		

The average of Unit Price: 12.8

Figure 1: Output for Question 1

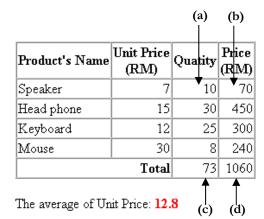


Figure 2: Output for Question 2

- 2. After that, complete the JavaScript to answer the following questions. The final output should looks like Figure 2.
 - a. Quantity for each product should be obtained from an array. Hint: Declare an array named quantity which contains the number of each product.
 - b. This column is computed using the formula price = quantity * unit_price
 - c. The sum of quantity of all products.
 - d. The sum of price of all products.

Hint: Apply loop and array to calculate Question b, c and d.

Tutorial Submission:

Place all the created files in a compressed/zipped file and submit it on the e-learning site. A dedicated submission link will be given for the submission.