Lab sheet # 1
Functions and array

Q1) Write a function named "Number_of_Occurrences" that takes as its arguments the following:

1- an array of integer values;

2- an integer that tells size of the array;

3- an integer named "target".

The function should determine whether the given target value occurs in any of the cells of the array, and

>   1-If it does, the function should **return** the subscript of the cell containing the target.
>
>   2-If more than one of the cells contains the target value, then the function should **return** the largest subscript of the cells that contain the target value.
>
>   3-If the target value does not occur in any of the cells, then the function should send an output message

Note:
1-The function takes array arguments and returns an array subscript

Program Code:

Run Sample:

Q2) Write a function named "subtotal" takes as its arguments the following:

1- an array of floating point values;

2- an integer that tells the number of cells in the array.

The function should return an array which replaces the contents of each cell in the input array with the sum of the contents of all the cells in the input array from the left end to that cell. Thus,

for example, if the array passed to the function looks like this: 0 1 2 3 4 5.8 2.6 9.1 3.4 7.0 then when the function returns, the array will have been changed so that it looks like this: 0 1 3 6 10 15.8 and so on

Note:

1-The function takes an array as argument and returns it with changes

Program Code:

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هذه الشيت للطالب والغرض منها:
1- ان يملأها بعد انهاءه البرنامج
2- ان تكون جاهزه دائما للاطلاع عليها من قِبل دكتور الماده والمعيدين والطالب

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Run Sample: