**Programming**

A one-dimensional (1D) array Contacts[ ] is used to store names and telephone numbers.

A one-dimensional (1D) array phoneNumbers [ ] is used to store telephone numbers. All

the data is stored as strings. The arrays must have the capacity to store 100 contacts and phone numbers.

The variable CurrentSize shows how many contacts and phone numbers are in the array.

Write a program that meets the following requirements:

• display a menu of choices:

○ enter new contact details including name and phone number.

○ display all the contact details including name and phone number.

○ delete all the contact details

• validate the menu input

• allow up to a maximum of five new contacts to be added to the array at any one time

• do not allow more than 100 contacts in total

• after new contacts have been added, sort the array by contact name, as long as there are at

least two contacts in the arrays.

• output the whole of the arrays Contacts[] and phNumbers[]

• delete the contents of the both arrays.

You must use pseudocode or program code and add comments to explain how your code works.

You do not need to declare any arrays, variables or constants; you may assume that this has

already been done.

All inputs and outputs must contain suitable messages.

You do not need to initialise the data in the array Contacts[] and phNumbers and the variable CurrentSize.

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