

Lưu ý: Bài quy đổi ra 2 slot short hoặc 1 slot Long

Title

Array Manipulations.

Background

N/A

Program Specifications

Implement a program that manages an integer arrays (up to 100 elements) with the following menu:

- 1- Add a value
- 2- Search a value
- 3- Remove the first existence of a value
- 4- Remove all existences of a value
- 5- Print out the array
- 6- Sort the array in ascending order (positions of elements are preserved)
- 7- Sort the array in descending order (positions of elements are preserved)
- Others- Quit

Function details:

1. Function 1: Display a menu and ask users to select an option.
 - Users run the program. The program displays a menu and prompts users to select an option.
 - User select an option, perform Function 2.
2. Function 2: perform the function based on the selected option.
 - Option 1: ask users to input an integer and store in the array. Go back to the menu.
 - Option 2: ask users to input an integer, and then output its index in the array. Go back to the menu.
 - Option 3: ask users to input an integer, and then remove the first occurrence of that integer in the array. Go back to the menu.
 - Option 4: ask users to input an integer, and then remove all the occurrences of that integer from the array. Go back to the menu.
 - Option 5: display all the array's elements. Go back to the menu.
 - Option 6: sort the array in ascending orders. Go back to the menu.
 - Option 7: sort the array in descending orders. Go back to the menu.
 - Others: exit the program

Expectation of User interface:

N/A

Guidelines

Use bubble sort algorithm to sort the array.