ASSIGNMENT 2
Due: Wednesday, 14th October 11:59 PM PST

Requirement:

Create a java class LastnameFirstnameA2.java which accepts an array as an input (No Command Line Parameters) and perform the following operations:

1. You can use java.util.Scanner to read user input (Refer documentation https://docs.oracle.com/javase/7/docs/api/java/util/Scanner.html for more details)
2. Ask the user to define the length of an array and then accept the array elements based on the length defined. Print this array.
3. Sort and print the sorted array. (Any sorting algorithm is fine)
4. Ask for another input from the user to check if an element is present in the array and print its first occurrence index if present else prints a message saying the element is not present in the array.
5. Reverse the array and print.

Please do not use APIs from the Arrays class. E.g. Arrays.toSting() or Arrays.sort()

Sample Input and Output:

Please enter the length of an array: 5
Please enter 10 elements for the array: 11
18
15
76
52
The input array is: [11 18 15 76 52]
The sorted array is: [11 15 18 52 76]
Please enter the number to be searched: 76
The element found at index: 4
The array in reverse order is: [52 76 15 18 11]

Program Completed.

Note:

1. The program should always print 'Program Completed' before exiting.
2. Check your program to test if it works perfectly by changing the input array elements.
3. Make sure that the output produced is as directed in the instruction above.
4. Save the file as LastnameFirstnameA2.java
5. Give comments to increase code readability (if needed).
6. Mention the sources used to complete the assignment.
7. Submit the answer in a .java format