Assignment 4

Rules

1- Assignment deadline is Thursday (29/12/2015) @ 11:55 pm

 2- Assignments will be sent to this email : assembly.fci.cu@gmail.com

3- Subject will be: Assig3(space)Group_ID "i.e A3_P1_xxxxx"

4- Each problem should be solved in a separate file.

5- Cheating will be severely punished.

Assignment 3 - Part 1

Q1. Write a program that:

- Read input numbers repeatedly until a zero value is read from user.

Insertion Sort - pseudocode

```
INSERTION-SORT(A[]) ::=
{
    For i := 2 to n
        key := A[i]

        j    := i -1;
        while (j > 0) and (A[j] > key) do
            A[j+1] := A[j]
            j := j - 1

        A[j+1] := key
}
```

- Sort the input numbers using insertion sort.
- Print the sorted numbers to the user.

Q2. Write a program that implements the find method:

• Read input string from user.

• Read a character to search for it from the user.

• Return the index of the first occurrence of the given character in the string, or -1 if the character is not exist in the string.

Examples: Inputs ("Hello", L) output (2) Inputs ("Hello", W) output (-1)