Name : Shubham Chemate

Roll No. 21118

Subject: FDS Lab (Assignment 3 : String operations)

TestCase number : 1

```
NOTE : End the string with '#' character
Input the string : asb    mbpgs    zasb#
Given string is :
asb    mbpgs    zasb

Enter number :
        1 to display word with largest length in a string
        2 to find frequency of paricular character in a string
        3 to check wheather the string is pallindrome or not
        4 to display index of first appearance of substring
        5 to count the occurances of word in a string
        0 to terminate the program
Enter your choice here : 1
Largest world in the string is :
mbpgs
```

TestCase number : 2

```
NOTE : End the string with '#' character
Input the string : @abc &me (xyzw)#
Given string is :
@abc &me (xyzw)

Enter number :
        1 to display word with largest length in a string
        2 to find frequency of paricular character in a string
        3 to check wheather the string is pallindrome or not
        4 to display index of first appearance of substring
        5 to count the occurances of word in a string
        0 to terminate the program
Enter your choice here : 1
Largest world in the string is :
(xyzw)
```

TestCase number : 3

```
NOTE : End the string with '#' character
Input the string : a bc d  ef#
Given string is :
a bc d  ef

Enter number :
        1 to display word with largest length in a string
        2 to find frequency of paricular character in a string
        3 to check wheather the string is pallindrome or not
        4 to display index of first appearance of substring
        5 to count the occurances of word in a string
        0 to terminate the program
Enter your choice here : 2
Enter a character to find it's frequency :
The char ' ' is appeared 4 times in the string.
```

TestCase number : 4

```
NOTE : End the string with '#' character
Input the string : as    df      gh#
Given string is :
as      df      gh

Enter number :
        1 to display word with largest length in a string
        2 to find frequency of paricular character in a string
        3 to check wheather the string is pallindrome or not
        4 to display index of first appearance of substring
        5 to count the occurances of word in a string
        0 to terminate the program
Enter your choice here : 2
Enter a character to find it's frequency :
The char '      ' is appeared 2 times in the string.
```

TestCase number : 5

```
NOTE : End the string with '#' character
Input the string :
Given string is :


Enter number :
        1 to display word with largest length in a string
        2 to find frequency of paricular character in a string
        3 to check wheather the string is pallindrome or not
        4 to display index of first appearance of substring
        5 to count the occurances of word in a string
        0 to terminate the program
Enter your choice here : 2
Enter a character to find it's frequency : x
The char 'x' is appeared 0 times in the string.
```

TestCase number : 6

```
NOTE : End the string with '#' character
Input the string : aba#
Given string is :
aba

Enter number :
        1 to display word with largest length in a string
        2 to find frequency of paricular character in a string
        3 to check wheather the string is pallindrome or not
        4 to display index of first appearance of substring
        5 to count the occurances of word in a string
        0 to terminate the program
Enter your choice here : 3
The string is pallindrome.
```

TestCase number : 7

```
NOTE : End the string with '#' character
Input the string :
Given string is :


Enter number :
        1 to display word with largest length in a string
        2 to find frequency of paricular character in a string
        3 to check wheather the string is pallindrome or not
        4 to display index of first appearance of substring
        5 to count the occurances of word in a string
        0 to terminate the program
Enter your choice here : 3
The string is empty.
```

TestCase number : 8

```
NOTE : End the string with '#' character
Input the string : Hi, how are you doing?#
Given string is :
Hi, how are you doing?

Enter number :
        1 to display word with largest length in a string
        2 to find frequency of paricular character in a string
        3 to check wheather the string is pallindrome or not
        4 to display index of first appearance of substring
        5 to count the occurances of word in a string
        0 to terminate the program
Enter your choice here : 4

NOTE : End the string with '#' character
Input the string : are#
The index is 8
```

TestCase number : 9

```
NOTE : End the string with '#' character
Input the string : Hi, how are you doing?#
Given string is :
Hi, how are you doing?

Enter number :
        1 to display word with largest length in a string
        2 to find frequency of paricular character in a string
        3 to check wheather the string is pallindrome or not
        4 to display index of first appearance of substring
        5 to count the occurances of word in a string
        0 to terminate the program
Enter your choice here : 4

NOTE : End the string with '#' character
Input the string : hey#
The substring you have entered is not present in given string.
```

TestCase number : 10

```
NOTE : End the string with '#' character
Input the string : he he me be he#
Given string is :
he he me be he

Enter number :
        1 to display word with largest length in a string
        2 to find frequency of paricular character in a string
        3 to check wheather the string is pallindrome or not
        4 to display index of first appearance of substring
        5 to count the occurances of word in a string
        0 to terminate the program
Enter your choice here : 5
The occurance count of each word in a given string is :
Word is : he
Occurance Count :  3
Word is : me
Occurance Count :  1
Word is : be
Occurance Count :  1
```

TestCase number : 11

```
NOTE : End the string with '#' character
Input the string :
Given string is :


Enter number :
        1 to display word with largest length in a string
        2 to find frequency of paricular character in a string
        3 to check wheather the string is pallindrome or not
        4 to display index of first appearance of substring
        5 to count the occurances of word in a string
        0 to terminate the program
Enter your choice here : 5
The sentence you have entered is empty.
```