United International University



Department of Computer Science and Engineering

CSI 122 Structured Programming Laboratory

Section A

Spring 2020

Lab 6(Class)

1. Write a program to take a string as input and find its length as output. Also show the string in reverse as output.

*Sample Input:*

Enter a string: hello world

*Sample output:*

11

dlrow olleh

1. Write a program to convert all the lower case letters of a string to upper case letters and vice versa.

*Sample Input:*

Hello world

*Sample output:*

hELLO wORLD

1. Write a program to copy n characters of a string into another string.

*Sample Input:*

Enter string 1: United International University

Enter number of characters: 10

*Sample output:*

String 2 is: United Int

1. Write a program to separate the words of a string and also count the number of words.

*Sample Input:*

Enter a string: I study in CSE Department of United International University

*Sample output:*

I

Study

in

CSE

Department

of

United

International

University

Number of words: 9

United International University



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Section A

Spring 2020

Lab 6(Home)

1. Write a function to insert the given character to a given position in a string.

*Sample Input:*

Helo world

Insert character: l

Given position : 3

*Sample output:*

Hello world

1. Write a function to find the element with the highest frequency within a string.

*Sample Input:*

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*Sample output:*

a 5

1. Write a program to find the largest and smallest word in a string.

*Sample Input:*

It is a string with smallest and largest word.

*Sample Output:*

The largest word is 'smallest' and the smallest word is 'a'.