



LAB7_RecursionIII

OBJECT ORIENTED PROGRAMMING

BSCS-SPRING-2022



RecursionIII Tasks

Question#1

Take a string from user as input and remove all adjacent duplicates characters.

For example,

Input: AABBBBCDDD

Output: ABCD

Question#2

Print following pattern using recursion.

Input:

No.of lines: 5

Output:

A

B C

D E F

G H I J

K L M N O

Question#3

Print following pattern using recursion.

Input:

No.of lines: 5

Output:

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*****
****
***
**
*
*
**
***
****
*****
```

Question#4

Analyze the following input and output, and then write that a program that prints such a pattern given the input.

Input:3

Output:

4 5 6

2 3

1

Input:4

Output:

7 8 9 10

4 5 6

2 3

1

Question#5

Write a program that search a number using recursion.

Input:

Number of elements to store in the array :3

Enter 3 numbers in the array in ascending order :

element 0 : 15

element 1 : 25

element 2 : 35

Enter number to search : 35

Output :

The search number found in the array.