CS1100 - Introduction to Programming

Lab Session - 1

Apr. 16, 2021

Instructions

- This lab is the first lab for you and **it will not be graded**. The goal is to get a judgement of the exposure of students to C programming. Follow the instructions given below.

- You are expected to solve each problem on your own. All the problems will test your basic knowledge about C programming. If you need assistance, ask your TA, not your classmate.

- You can refer to your Class-12 notes for CS / IT course if needed.

- All programs must be submitted on repl.it

Setup

- Set up an account on repl.it with your roll number as ID.

- If you face any issues, contact your TA.

Problems to be solved in lab

1. Write a C program to print your roll number and your TA's roll number on two different lines. You need to use the printf command in C. Do not use cout or any other command. Make sure that you use upper case characters for the roll number.
   Example

   Assume student roll number is ME20B188 and TA's roll number is CS19M032
   Expected Output

   ME20B188

   CS19M032

2. In this question the goal is to output the two lines "repeatedly" **5** times. Write a C program to achieve the same.
   Example

   Assume student roll number is ME20B188 and TA's roll number is CS19M032
   Expected Output

   ME20B118

   CS19M032

   ME20B118

   CS19M032

   ME20B118

   CS19M032

   ME20B118

   CS19M032

   ME20B118

   CS19M032

3. In this question the goal is to output the two lines "repeatedly" k times. The value of k will be provided by the user as input. Write a C program to achieve the same. This problem needs you to get input from the user using an appropriate command and also some loop construct.
   Example

   Assume student roll number is ME20B188 and TA's roll number is CS19M032
   Sample Input

   3
   Expected Output

   ME20B118

   CS19M032

   ME20B118

   CS19M032

   ME20B118

   CS19M032