CS F111 - Computer Programming - Lab 3

Date: April 6, 2021 - 5pm to 7pm.

- The lab is **EVALUATIVE**.
- Follow the instructions given below in the exact order.
- Any deviation from the instructions or incomplete steps will be dealt with according to the policy announced on quanta.
- Without the video recording link, the lab marks will be withheld.
- You may refer **ONLY** to the teaching materials shared by the course instructors.

LAB INSTRUCTIONS

(Please ensure that you follow the instructions in this order.)

1. Close all applications and browser-tabs except the ones needed during the lab, and join the Google meet assigned to your group..
2. Start recording your screen and webcam feed in the format mentioned in the "Software Prerequisites" document. Ensure that the date/time are visible.
3. Solve the questions given in the question paper.
4. When you are ready to submit your solution, upload your C program via the form given below:
   https://forms.gle/xLfkSpC6BqdfawsR8
   Please ensure that you use BITS email ID while filling the form.
5. Stop screen and webcam recording.
   Please click the "Stop recording" button only once. If you click it multiple times, you may lose the entire recording.
6. Upload the recording on your BITS Google Drive.
7. Edit the options on the uploaded recording to allow the "All can view" option and copy the link to be shared. If you're unsure about this, use the following link : https://tinyurl.com/GDriveuploadhelp
8. Submit the link of the recording via the form below by 5pm, 7 April:
   https://forms.gle/pW9TXBwXW3zKwnqS7
   Please ensure that you use BITS email ID while filling the form.

QUESTIONS

- Do not use iterative statements (for, while etc.) in your programs.
- Editing your submissions on the form is not permitted, so please ensure that you only submit your final solutions.

Question 1 - (4 Marks):

Write a program **`Q1.c`** that takes three integers from the user and prints them in the increasing order.

Sample Output

```
Enter three integers: 2 3 -1
Integers in increasing order: -1 2 3
```

Question 2 - (2 Marks):

Write a program **`Q2.c`** that takes four integers from the user and prints their maximum.

Sample Output

```
Enter four integers: 2 3 1 -2
Maximum: 3
```

Question 3 - (4 Marks):

Write a program **`Q3.c`** that takes two integers and one of the operation **`+,-,*,/`** from the user and prints the result of the operation on the input integers..

- If a user attempts to divide by zero, print **`"ERROR - Divide by zero".`**
- Do **NOT** use **if** or **if-else statements** in your program.

Sample Output 1

```
Enter two integers: 3 -2
Enter operation: /
Output: -1
```

Sample Output 2

```
Enter two integers: 3 0
Enter operation: /
ERROR: Divide by zero
```
