Programming Fundamentals LAB – BSEF19
(Both Morning and Afternoon)
Lab 10 –22-04-2020

USE FSTREAM INSTEAD OF IFSTREAM/OFSTREAM

Task 01 (10)

Write a program to open a file names fellows1.txt in append mode, i.e., ___.*open("fellows1.txt", ios::app)*. The program will input roll numbers, full names, and cgpas of your class fellows (dummy data) and write these values in file. At end of loop ask user "Do you want to enter more data: " and depending upon user response, you repeat the above process or quits the program. The structure of the file is like

BSEF19M5??, Khan Muhammad, 3.23
BSEF19M5??, Jabal Khan, 2.98
BSEF19M5??, Riffat, 1.67

Execute the program many times and observe the contents of the file after each execution.

Task 02 (10)

Write a program to open a file names fellows2.txt in output mode, i.e., ___.*open("fellows2.txt", ios::out)*. The program will input roll numbers, full names, and cgpas of your class fellows (dummy data) and write these values in file. At end of loop ask user "Do you want to enter more data: " and depending upon user response, you repeat the above process or quits the program. The structure of the file is like

BSEF19M5??Khan Muhammad   3.23
BSEF19M5??Jabal Khan   2.98
BSEF19M5??Riffat   1.67

Execute the program many times and observe the contents of the file after each execution.

Task 03 (10)

Write a program to open a file names fellows2.txt in input mode, i.e., ___.*open("fellows2.txt", ios::in)*. The program will input an integer for record number. Using seekg, display the content of only one fellow from file as:

Fellow Number: ??
Roll Number: BSEF19M5??
Name: Jabal Khan
CGPA: 2.98

Note: the above record is displayed if user enters 2 as record number.

Task 04 (10)

Copy fellow2.txt to fellow3.txt. Write a program to open a file names fellows2.txt in output and at end mode, i.e., ____.open("fellows2.txt", ios::out | ios::ate). The program will change the 2nd last record of the fellow with data. BCDF99H999, Bara Admi, and 4.00. Later, examine the file.

Task 05 (10)

In this task, you have to write to read the text files created in Task 02 and task 01. Show the data in the following way:

```
1 Khan Muhammad, BSEF19M5??
    CGPA: 3.23
2 Jabal Khan, BSEF19M5??
    CGPA: 2.98
```

Thanks, for your **patience**