Object Oriented Programming Lab Spring 2020
Lab10: File Handling

Task 1

Create a program for writing records of 10 students in a text fie Students.txt. Store roll no, first name, last
name, department and section of student.
Output should be like this in the file.

Student.txt

123 Asad Ali CS A.

321 Abbas Khan EE C.

342 Bilal Haider FSM A.

Task 2

Design a program for reading two text files, **f1.txt** and **f2.txt** and identifying the difference between the lines of both text files, i.e. writing on the screen the lines that differ in both files, adding < if the line corresponds to f1.txt, and > if it corresponds to f2.txt. You can consider getline function of istream class.

Example input

f1.txt
This is a test line.
Hello World.

f2.txt
This is a test line.
Hello Guys.

Output:
< Hello World.
> Hello Guys.

Task 3

Write a program to implement a telephone directory using formatted I/O file. You should write a class **TeleDirectory** for storing the name, number and address of telephone holder. Your program should be capable of writing name, telephone number and address into a data file teledir.txt. Then write class functions **searchByName**: which should read the file and must return the Phone number of searched person and **searchByNumber** : which should read the file and must return the name of person holding the searched phone number. Also write a class function **printDirectory** which must read the complete directory and print all the records of the directory