Fundamentals of Programming | Final Term Assessment

Question # 1 [marks - 5]: Write a C++ program that perform following task:

- Create a function *Student()* that prompt user to a student record. Student contains following details.

    ID, Full Name, Email, Department and Phone Number.

- Store the input in file student.txt

- In main program call function *Student()*

- Program should prompt user that you want to enter a new record. If 'Y' ask user for new details. If 'N', program should terminate. (Use event controlled loop)

```
#Sample Output
Enter new record:
---------------------------------
Full Name: Sarmad Soomro
ID: 11734
Email: sarmad.soomro@bimcs.edu.pk
Department: Computer Science
Phone Number: 090078601
Do you want to enter new record(Y/N)? ____
```
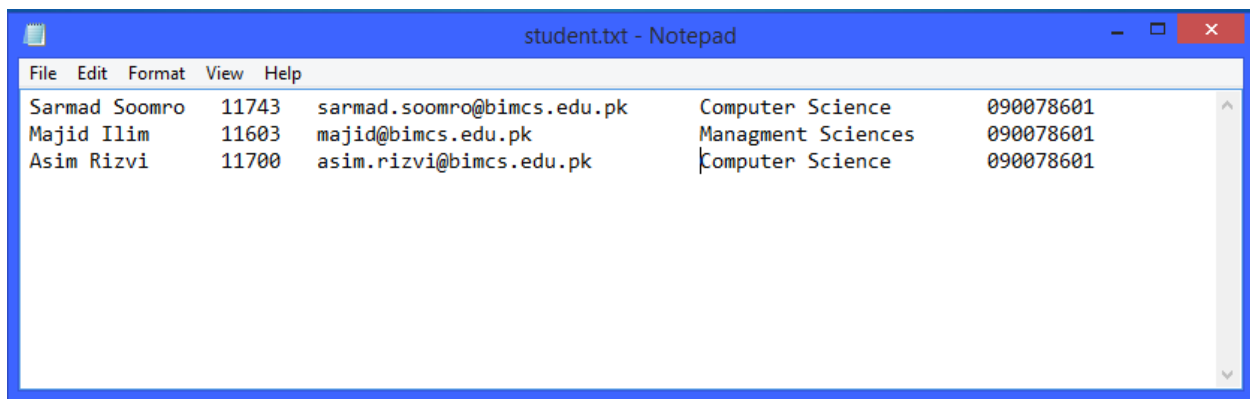
Question # 2 [marks - 5]: Refer to question 1. Store students record in student.txt file with proper formatting as follows:

```
student.txt - Notepad
File  Edit  Format  View  Help
Sarmad Soomro   11743   sarmad.soomro@bimcs.edu.pk    Computer Science      090078601
Majid Ilim      11603   majid@bimcs.edu.pk            Managment Sciences    090078601
Asim Rizvi      11700   asim.rizvi@bimcs.edu.pk       Computer Science      090078601
```

Question # 3 [marks - 5]: Refer to you question 1 and 2.

Read the data from file student.txt (line by line) and print on your computer screen as follows:

Q # 4 [marks - 5]: If cost-price and selling-price of an item is input through the keyboard, write a program to determine whether the seller has made profit or incurred loss. Also determine how much profit he made or loss he incurred.

Q # 5 [marks - 5]: A five-digit is entered thorough the keyboard. Write a program to obtain the reversed number and to determine whether the original number is and reversed number is equal or not?