Question 1.



Question 2.



Question 3.

C:\Users\MANI\Pictures\Screenshots\Screenshot (5).png

Question 4.



Question 5.

A class **bill** is inherited by two classes **cheque, cash** in **protected mode**.

**bill** class has two members **item\_price,qty.**

The product of the two, 1. price of the item and 2. quantity will give us the **total bill**.

class **cheque** again has two members **cheque\_no, cheque\_amt**.

Write a member function to test whether the amount in the cheque clears the bill or not.

**if yes** put the word **"Clear" if no** put the balance amount as **"Balance=100" (100 is an example).**

**Similarly class cash** has 4 data members for the number of **notes of 500,100,10,1.**

**Total** is to be calculated from the notes and again **matched with the bill.**

If the bill is cleared with cash put the word **"Clear" if no** put the balance amount as **"Balance=100" (100 is an example).**

**Sample Input 1:**

1          // for cheque clearance

10        //item\_price

10        //qty

1234    //cheque\_no

80        // cheque\_amt

**Sample Output 1:**

100                  //bill [item\_price\*qty]

Balance=20     //pending=100-80=20

**Sample Input 1:**

2          //for cash payment

10        //item\_price

10        //qty

0          //notes of 500

0          //notes of 100

10        //notes of 10

0          //notes of 1

**Sample Output 1:**

Clear

Question 6.

A class **string1** allocates appropriate memory (using new operator) to a string

**passed from the main function**, and then decrypt the string, by subtracting 3 to

the ASCII value of each alphabet of the string.

**Sample Input:**

Deklodvkd

**Sample Output:**

Abhilasha

Question 7-

Given the following inheritance structure of classes that represents the student details, marks in 3 subjects and Result respectively, generate the sample output.

