**Problem 1 (a):** Declare three integer variables, number1, number2 and sum. Initialize the values of number1 to 10 and number2 to 25. Add them and store their values in sum. Print this sum. Verify that the output is 35 by outputting it on screen.

**Problem 1 (a):** Declare Eight float variables, number1, number2, sum, product, subtract, divide and modulus. Input number1 and number2 from the user. You can use the construct: *cin>>number1;* to input a value into this variable called ‘number1’.

Now do these computations and print these results:

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| --- |
| Sum = number1 + number2;  Product = number1 \* number2;  Subtract = number1 – number2;  Divide = number1 / number2; //assume number2 is not ZERO.  Modulus = number1 % number2; |

**Problem 2:** Declare two int variables and call them x and y. Take input in x and y. Now think of a way to swap the values contained in the two variables. You can use any method you like, but it should be general enough to handle all situations.

**Problem 3:** Write your first program to print your name, roll number and degree program in following format:

Name: <FirstName><LastName>

Roll No: l191234

Program: BS (CS)

**Problem 4:** Declare as many variables as the characters are in your first name. Take input in these variables. Now print the first name.

**Problem 5:** Write a program which takes a number from user and prints its table.

NOTE: DO NOT use any Loop. You need to write ten times the statement.

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| For Example, if user enters 5, your program should print:  5 x 1 = 5  5 x 2 = 10  5 x 3 = 15  5 x 4 = 20  5 x 5 = 25  5 x 6 = 30  5 x 7 = 35  5 x 8 = 40  5 x 9 = 45  5 x 10 = 50 |

**Problem 6:** In this problem, you will develop only the menu for calculator. The program prints this menu and asks for the choice of user.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Wecome To XYZs Calulator!!!!! \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. Add
2. Subtract
3. Divide
4. Multiply
5. Square
6. Convert
7. Exit

Enter your choice: 5

Your choice is 5 but the calculator cannot proceed because of limited knowledge.