Programming Assignment 3.

Q1. Implement a calculator. The program starts with a menu:

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*MY CALCULATOR\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. Add
2. Divide
3. Magnitude
4. Power
5. Exit

Description:

Add: adds 2 numbers taken as input and prints the results

Divide: divides 2 numbers taken as input and prints the results)

Magnitude: prints the magnitude of a number taken as input e.g 5 has magnitude 5 and -6 has magnitude 6

Power: calculates 2 power X where X is taken as input from user and prints the result

Exit: Terminate the calculator. The program only terminates when 5 is pressed.

The user can perform various operations by selecting them from the menu. Suppose user presses 1. Then the following appears:

(Print)You selected ADD

Please enter first number:

Please enter second number:

The result is:

Press any key to return to menu…….

Hint write:

**cout<<” Press any key to return to menu…….”;**

**\_getch(); //include header file conio.h for this.**

Clear the screen (hint write **system(“cls”);**), and print the menu again. The user is shown the menu after each operation, and can perform as many operations as the user like.

Submit a cpp file titled: <your roll number>.cpp and submit at xeon. **Deadline is Monday 24 September @ 5:00 PM**