**C Practice Problems: Set I-A**

**Part I – conditionals, loops, nested loops**

**Difficulty level: Easy**

1. Write a program to check whether the entered character is a vowel. Display the character.
2. Prompt the user to enter the marks in a subject out of 100 and display a message acc to the input:

0-39: Failed

40-49: Passed

50-59: II class

60-74: I class

75-100: Distinction

1. WAPC to calculate the bonus of employees according to their salary.

10000 and above – 10%

5000-10000 – 15%

Below 5000 – 20%

1. Write a menu driven program to perform arithmetic functions. 1 for addition, 2 for subtraction, 3 for multiplication, 4 to exit. Program will quit only if option is 4 else it reads option and calls respective functions.
2. Find the sum of 1st ‘n’ numbers, where n is given by the user.
3. Write a program to add the first 5 terms of the sine series. Sine series is given by:
4. Write a program to generate the following output:

\* \* 1 1

\* \* \* \* 1 2 2 1

\* \* \* \* \* \* 1 2 3 3 2 1

\* \* \* \* \* \* \* \* 1 2 3 4 4 3 2 1

1. Accept an integer value from the use and display the number in words.

Eg. 123 🡪one two three