**Assignments**

1. Write a program to check whether a given number is odd or even.
2. Write a program to test given character  is

• lower case letter

• upper case letter

• digit

• white space (includes space, tab,new line)

**Switch:**

1. Write a program to create a simple calculator to perform Addition, Subtraction, Multiplication and Division using switch statement.

Take the required operation as input from the user.

**Loops:**

1. Write a program to find out the sum of first n natural numbers.

Take n as input from the user.

1. Write a program to check whether the given number is perfect number or not.

A number is called as a perfect number if the sum of the factors of that number is equal to the same number. Example: 6 = 1 + 2 + 3

1. Write a program to find the sum of numbers in a given range.
2. Write a program to calculate the sum of the digits of a given number.