**Assignments:Data types and operators**

1. Develop a C program to perform operations (+,\*,-, / and %) on two whole numbers. Identify suitable data types to represent the numbers and resultant values
2. Write a program to demonstrate bitwise operators
3. Develop a C program to add two operands and store the result in one of the operand using addition assignment operator.
4. Write a C program to find the maximum of 2 numbers using Conditional operator.
5. A C program contains the following declarations and initial assignments:

int i= 8, j = 5;

float x = 0.005, y = 0.01;

char c = ‘c’, d = ‘d’;

Determine the value of each of the following expressions.

* (3\*i\*j)%(2\*d)
* (i\*j)%(c+2\*d) / (x\*y)
* 5 \* (i + j) > 'c'
* 2\*x+ (y== 0)
* (x > y) && (i > 0) || (j < 5)

1. Write a program to find the area and the perimeter of a circle.

Take radius “r” as input.

1. Develop a C program to calculate simple interest using the formula I=PTR/100.