Operators

**Level 1**

1.

Length and breadth of a rectangle are 5 and 7 respectively. Write a program to calculate the area and perimeter of the rectangle.

2.

Write a program to calculate the perimeter of a triangle having sides of length 2,3 and 5 units.

3.

Write a program to add 8 to the number 2345 and then divide it by 3. Now, the modulus of the quotient is taken with 5 and then multiply the resultant value by 5. Display the final result.

4.

Now, solve the above question using assignment operators (eg. +=, -=, \*=).

5.

Write a program to check if the two numbers 23 and 45 are equal.

6.

Write a program to print the power of 7 raised to 5.

7.

Assign values of variables 'a' and 'b' as 55 and 70 respectively and then check if both the conditions 'a < 50' and 'a < b' are true.

8.

Now solve the above question to check if atleast one of the conditions 'a < 50' or 'a < b' is true.

9.

If the marks of Robert in three subjects are 78,45 and 62 respectively (each out of 100 ), write a program to calculate his total marks and percentage marks.

10.

Suppose the values of variables 'a' and 'b' are 6 and 8 respectively, write two programs to swap the values of the two variables.  
1 - first program by using a third variable  
2 - second program without using any third variable  
( Swapping means interchanging the values of the two variables E.g.- If entered value of x is 5 and y is 10 then after swapping the value of x and y should become 10 and 5 respectively.)

11.

Write a program to convert Fahrenheit into Celsius.