

Practical Number	03
Areas covered	Operators , if conditions

1. Write a program to input two numbers and display the highest number.
2. Write a complete program to ask user enter three integer numbers, and then tell the user the largest value and smallest value among the three numbers.
3. Display employee name, new salary, when the user inputs employee name, and basic salary. You can refer following formula and the table to calculate new salary:

$$\text{New Salary} = \text{Basic Salary} + \text{Increment}$$

<u>Basic Salary</u>	<u>Increment</u>
Less than 5000	5% of Basic Salary
More than or equal 5000 and less than 10000	10% of Basic Salary
More than or equal 10,000	15% of Basic Salary

4. Diameter, Circumference and Area of a Circle) Write a program that reads in the radius of a circle and prints the circle's diameter, circumference and area. Use the constant value 3.14159 for π . Perform each of these calculations inside the printf statement(s) and use the conversion specifier %f.
5. Write a program that reads in two integers and determines and prints if the first is a multiple of the second.
6. Write a C program that prints the integer equivalents of some uppercase letters, lowercase letters, digits and special symbols. As a minimum, determine the integer equivalents of the following: A B C a b c 0 1 2 \$ * + / and the blank character.

7. The gross remuneration of a company salesman comprises the Basic Salary and certain additional allowances and bonuses as given below:

Salesmen with over 5 years' service receive a 10% additional allowance of Basic Salary each month.

Salesmen working in Colombo (Input character 'C' if the city is Colombo) receive an additional allowance of Rs. 2,500/- per month.

The monthly bonus payment is computed as given below:

Monthly Sales(Rs)	Bonus as a percentage of monthly sales
0-25000	10
25000-50000	12
>=50000	15

Write a program to output the gross monthly remuneration of a salesman.