



Estructuras de Control en C++

Ejercicios propuestos para el uso de IF

1. Take values of length and breadth of a rectangle from user and check if it is square or not.
2. Take two int values from user and print greatest among them.
3. A shop will give discount of 10% if the cost of purchased quantity is more than 1000.
 - a. Ask user for quantity
 - b. Suppose, one unit will cost 100.
 - c. Judge and print total cost for user.
4. A company decided to give bonus of 5% to employee if his/her year of service is more than 5 years.
 - a. Ask user for their salary and year of service and print the net bonus amount.
5. A school has following rules for grading system:
Ask user to enter marks and print the corresponding grade.
 - a. Below 25 - F
 - b. 25 to 45 - E
 - c. 45 to 50 - D
 - d. 50 to 60 - C
 - e. 60 to 80 - B
 - f. Above 80 – A
6. Take input of age of 3 people by user and determine oldest and youngest among them.
7. Write a program to print absolute value of a number entered by user. E.g.-
 - a. INPUT: 1 OUTPUT: 1
 - b. INPUT: -1 OUTPUT: 1

8. If

- a. `x = 2`
- b. `y = 5`
- c. `z = 0`
- d. then find values of the following expressions:
 - i. `x == 2`
 - ii. `x != 5`
 - iii. `x != 5 && y >= 5`
 - iv. `z != 0 || x == 2`
 - v. `!(y < 10)`

9. Ask user to enter age, sex (M or F), marital status (Y or N) and then using following rules print their place of service.

- a. if employee is female, then she will work only in urban areas.
- b. if employee is a male and age is in between 20 to 40 then he may work in anywhere
- c. if employee is male and age is in between 40 to 60 then he will work in urban areas only.
- d. And any other input of age should print "ERROR".

10. A 4-digit number is entered through keyboard. Write a program to print a new number with digits reversed as of original one. E.g.-

- a. INPUT: 1234 OUTPUT: 4321
- b. INPUT: 5982 OUTPUT: 2895