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cercises and solutions in C

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`if...else` is a branching statement. It is used to take an action based on some condition. For example – if user inputs valid account number and pin, then allow money withdrawal.

If statement works like *"If condition is met, then execute the task"*. It is used to compare things and take some action based on the comparison. Relational and logical operators supports this comparison.

C language supports three variants of `if` statement.

👉 Simple if statement

👉 if...else and if...else...if statement

👉 Nested if...else statement

As a programmer you must have a good control on program execution flow. In this exercise we will focus to control program flow using `if...else` statements.

Always feel free to drop your queries and suggestions below in the comments section. I will try to get back to you asap.

Required knowledge

Basic C programming, Relational operators, Logical operators

List of `if...else` programming exercises

1. Write a C program to find maximum between two numbers.

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5. Write a C program to check whether a number is even or odd.

her a year is leap year or not.

her a character is alphabet or not.

phabet and check whether it is vowel or consonant.

9. Write a C program to input any character and check whether it is alphabet, digit or special

10. Write a C program to check whether a character is uppercase or lowercase alphabet.

11. Write a C program to input week number and print week day.

12. Write a C program to input month number and print number of days in that month.

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13. Write a C program to count total number of notes in given amount.

14. Write a C program to input angles of a triangle and check whether triangle is valid or not.

15. Write a C program to input all sides of a triangle and check whether triangle is valid or not.

16. Write a C program to check whether the triangle is equilateral, isosceles or scalene triangle.

17. Write a C program to find all roots of a quadratic equation.

18. Write a C program to calculate profit or loss.

19. Write a C program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer. Calculate percentage and grade according to following:
Percentage >= 90% : Grade A
Percentage >= 80% : Grade B
Percentage >= 70% : Grade C
Percentage >= 60% : Grade D
Percentage >= 40% : Grade E
Percentage < 40% : Grade F

20. Write a C program to input basic salary of an employee and calculate its Gross salary according to following:

21. Write a C program to input electricity unit charges and calculate total electricity bill

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| Required knowledge

| List of if...else programming exercises

For unit above 250 Rs. 1.50/unit

An additional surcharge of 20% is added to the bill

‹   C program to calculate electricity bill

C program to print fibonacci series upto n terms   ›

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