

Programming assignment based on if-else

1. Write a C program to find maximum between two numbers.
2. Write a C program to check whether a number is negative, positive or zero.
3. Write a C program to check whether a number is divisible by 5 and 11 or not.
4. Write a C program to check whether a number is even or odd.
5. Write a C program to check whether a year is leap year or not.
6. Write a C program to check whether a character is alphabet or not.
7. Write a C program to input any alphabet and check whether it is vowel or consonant.
8. Write a C program to input any character and check whether it is alphabet, digit or special character.
9. Write a C program to check whether a character is uppercase or lowercase alphabet.
10. Write a C program to input month number and print number of days in that month.
11. Write a C program to input angles of a triangle and check whether triangle is valid or not.
12. Write a C program to check whether the triangle is equilateral, isosceles or scalene triangle.
13. Write a C program to find all roots of a quadratic equation.
14. Write a C program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer. Calculate percentage and grade according to following:
Percentage $\geq 90\%$: Grade A
Percentage $\geq 80\%$: Grade B
Percentage $\geq 70\%$: Grade C
Percentage $\geq 60\%$: Grade D
Percentage $\geq 40\%$: Grade E
Percentage $< 40\%$: Grade F
15. Write a C program to input basic salary of an employee and calculate its Gross salary according to following:
Basic Salary ≤ 10000 : HRA = 20%, DA = 80%
Basic Salary ≤ 20000 : HRA = 25%, DA = 90%
Basic Salary > 20000 : HRA = 30%, DA = 95%
16. Write a C program to input electricity unit charges and calculate total electricity bill according to the given condition:
For first 50 units Rs. 0.50/unit
For next 100 units Rs. 0.75/unit
For next 100 units Rs. 1.20/unit
For unit above 250 Rs. 1.50/unit
An additional surcharge of 20% is added to the bill