Practice Problems:

If

1. Program to display a number if it is negative

if-else

1. Program to check whether a given number is even or odd

2. Program to check whether a person is eligible to vote or not

3.

Nested-if-else

1. Check if three numbers are equal

2. which number is greatest among three numbers

3. Grade of a student based on marks (Given three numbers, we need to check if all of them are equal in value or not.)

4. check if a year is a leap year

Ternary operator

1. find maximum number from the given two integer type numbers using the if-else block in c and with the ternary operatorin check

2. find out the given number is even or not using ternary operator in c.

Mixed-up Problems

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

2. Write a C program to find maximum between three numbers.

3. Write a C program to check whether a number is negative, positive or zero.

4. Write a C program to check whether a number is divisible by 5 and 11 or not.

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

6. Write a C program to check whether a year is leap year or not.

7. Write a C program to check whether a character is alphabet or not.

8. Write a C program to input any alphabet 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 character.

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.

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:

Basic Salary <= 10000 : HRA = 20%, DA = 80%

Basic Salary <= 20000 : HRA = 25%, DA = 90%

Basic Salary > 20000 : HRA = 30%, DA = 95%

21. 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

22. create a simple calculater

23. Check whether an integer is prime or Not