C Conditional Statement Programming Questions

- Write a C program to accept two integers and check whether they are equal or not.

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

- Write a C program to check whether a given number is positive or negative.

- Write a C program to find whether a given year is a leap year or not.

- Write a C program to read the age of a candidate and determine whether it is eligible for casting his/her own vote.

- Write a C program to read the value of an integer m and display the value of n is 1 when m is larger than 0, 0 when m is 0 and -1 when m is less than 0.

- Write a C program to accept the height of a person in centimeter and categorize the person according to their height.

- Write a C program to find the largest of three numbers.

- Write a C program to accept a coordinate point in a XY coordinate system and determine in which quadrant the coordinate point lies.

- Write a C program to find the eligibility of admission for a professional course based on the following criteria:

Eligibility Criteria :

Marks in Maths >=65 and Marks in Phy >=55 and Marks in Chem>=50 and

Total in all three subject >=190 or Total in Maths and Physics >=140

- Write a C program to calculate the root of a Quadratic Equation.

- Write a C program to read roll no, name and marks of three subjects and

  calculate the total, percentage and division.

- Write a C program to read temperature in centigrade and display a suitable

  message according to temperature state below

  Temp < 0 then Freezing weather

  Temp 0-10 then Very Cold weather

  Temp 10-20 then Cold weather

  Temp 20-30 then Normal in Temp

  Temp 30-40 then Its Hot

  Temp >=40 then Its Very Hot

- Write a C program to check whether a triangle is Equilateral, Isosceles or Scalene.
- Write a C program to check whether a triangle can be formed by the given

  value for the angles.

- Write a C program to check whether a character is an alphabet, digit or

  special character.

- Write a C program to check whether an alphabet is a vowel or consonant.

- Write a C program to calculate profit and loss on a transaction.

- Write a program in C to calculate and print the Electricity bill of a given

  customer. The customer id., name and unit consumed by the user should be

taken from the keyboard and display the total amount to pay to the customer. The charge are as follow :

Unit	Charge/unit
upto 199	@1.20
200 and above but less than 400	@1.50
400 and above but less than 600	@1.80
600 and above	@2.00

If bill exceeds Rs. 400 then a surcharge of 15% will be charged and the minimum bill should be of Rs. 100/-

- Write a program in C to accept a grade and declare the equivalent description

Grade	Description
E	Excellent
V	Very Good
G	Good
A	Average
F	Fail

- Write a program in C to read any day number in integer and display day name in the word.

- Write a program in C to read any digit, display in the word.

- Write a program in C to read any Month Number in integer and display Month name in the word.
- Write a program in C to read any Month Number in integer and display the number of days for this month.
- Write a program in C which is a Menu-Driven Program to compute the area of the various geometrical shape.
- Write a program in C which is a Menu-Driven Program to perform a simple calculation.
- Write a C program to find maximum between two numbers.
- Write a C program to find maximum between three numbers.
- Write a C program to check whether a number is negative, positive or zero.
- Write a C program to check whether a number is divisible by 5 and 11 or not.
- Write a C program to check whether a number is even or odd.
- Write a C program to check whether a year is leap year or not.
- Write a C program to check whether a character is alphabet or not.
- Write a C program to input any alphabet and check whether it is vowel or consonant.
- Write a C program to input any character and check whether it is alphabet, digit or special character.
- Write a C program to check whether a character is uppercase or lowercase alphabet.
- Write a C program to input week number and print week day.
- Write a C program to input month number and print number of days in that month.
- Write a C program to count total number of notes in given amount.

- Write a C program to input angles of a triangle and check whether triangle is valid or not.
- Write a C program to input all sides of a triangle and check whether triangle is valid or not.
- Write a C program to check whether the triangle is equilateral, isosceles or scalene triangle.
- Write a C program to find all roots of a quadratic equation.
- Write a C program to calculate profit or loss.
- 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

- 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%

- 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