C Programming Practice Question

Chapter-2(Conditional Statement-IF else)

Prepared By – YOUTH CAREER HUB

Course Name: CPP: Certified C Programming

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1. Write a program to find the maximum number between two numbers.
2. Write a program to find the maximum between three numbers.
3. Write a program to check whether a number is even or odd.
4. Write a program to enter the week number and print the day of the week.
5. Write a program to check whether a number is negative or positive or zero.
6. Write a program to check whether a number is divisible by 5 or 11 or not.
7. Write a program to input any character and check whether it is the alphabet, digit, or special character.
8. Write a program to check whether you are eligible to make a Voter Card or not.
9. Write a program to check whether the year is a leap year or not.
10. Write a program to check whether the character is an alphabet or not.
11. Write a program to check the uppercase or lowercase alphabet.
12. Write a program to input the week number and print the weekday.
13. Write a program to input the month number and print the number of days in that month.
14. Write a program to check two integers whether they are equal or not.
15. Write a program to input the angles of a triangle and check whether a triangle is valid or not.
16. Write a program to check whether the triangle is an equilateral, isosceles, or scalene triangle.

17. Write a program to find the eligibility for admission to a professional course base on the following criteria:

- Marks in MATHS >= 65
- Marks in PHY >= 55
- Marks in CHEM >= 50
- Total in all three subjects => 180

Or,

Total in Math and physics >=140.

18. Write a program to read the temperature in centigrade and display a suitable message according to the 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 it's hot
- Temp >=40 then it's very hot.

19. Write a program to read four values a, b, c, and d from the terminal and evaluates the value of (a+b) to (c-d), and print the result, if c-d is not equal to zero.

20. Write a program to input the basic salary of an employee and calculate its Gross salary according to the 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 the total electricity bill according to the given condition:

- For the first 50 units Rs. 0.50/unit
- For the next 100 units Rs. 0.75/unit
- For the next 100 units Rs. 1.20/unit
- For units above 250 Rs. 1.50/unit
- An additional surcharge of 20% is added to the bill.

Problem Statement 1:

Your younger brother studied in a primary school. He is fluent in the English alphabet.

But don't know about the vowel and consonants. Your mother assigns you to teach him

to know about which alphabets are vowel and consonant.

So, you are going to make a program (using else if ladder) where your brother writes any alphabet and your program will tell him that it is a vowel or consonant

Problem statement 2:

Your younger brother studied in a primary school. He is fluent in the English alphabet. But he doesn't know about the vowels and consonants. Your mother assigns you to teach him to know about which alphabets are vowels and consonants. So you are going to make a program (using else if ladder) where your brother writes any alphabet and your program will tell him that it is a vowel or consonant.