Conditionals (if-else)

1. find even or odd.

2. write a program of divisible by 17.

3. find the leap year.

4. find the number is divisible by 5 and 7.

5. find the number is divisible by 5 or 7.

6. find the maximum from two number.

7. find minimum of two number

8. find the positive and negative number.

9. Accept three number from user and print message if first number is between second and third number. otherwise print a is between b and c.

10. Accept cost price and selling price from user and find profit and loss in percentage/ amount.

11. Accept three number from user and print message if second number is between first and third number. otherwise print b is between a and c

12. Accept three number from user and print message if second number is between first and third number. otherwise print b is between a and c.

13. accept age from user and check whether he/she is eligible for voting

14. Accept atm pin number from user and check whether valid or not (1234).

15. Accept number of vaccines taken and print its eligibility for interview or not (vaccine number 2 then eligible).

16. Accept balance atm and withdrawal amount then display msg otherwise remaining balance after withdrawal amt.

17. check whether number is 1 digit or 2 digit or 3 digit or 4 digit or above five number.

18. Write a program to read three sides a, b, c of triangle and printf the type of the triangle?

19. write a java program of maximum of 3 number.

20. write a java program minimum of 3 number.

21. write a java program of maximum of four number.

22. Accept two points from user and check whether they are in which quadrant.

23. Accept three subject marks from user and display its total, per, class.

24. Accept unit from user and calculate electricity bill.

25. i/p amt o/p disc, total

- amt<10000 no disc
- amt>=10000 && amt<20000 5%disc
- amt>=20000&&amt<50000 7% disc
- amt>=50000 10% disc

26) Accept bs from user & display its tax

- bs=150000 no tax
- bs>=150000 & bs<300000 5% tax on bs
- bs>=300000 7% tax on bs.

27) Write a program to calculate the monthly income of a person using the following commission schedule:(use 'if-else-if' statement). Monthly sales income.

i/p

- Sales >=Rs. 50,000Rs. 375+16% Sales
- < Rs 50000 but >=Rs. 40,000 Rs. 370+14% Sales
- <Rs 40000 but> =Rs. 30,000 Rs. 325+12% Sales
- <Rs30000 but> =Rs. 20,000 Rs. 300+9% Sales
- <Rs20000 but >=Rs. 10,000 Rs. 250+5% Sales
- <=10000 && <2000. <Rs10000/-Rs200+3% Sales ???

28. write a java program to display the character is vowels.

29. accept loan amount from user if

- Loan amount < 10000 then interest rate=9%
- loan amount >=10000 and loan amount < 100000 then interest rate: 7%
- loan amount >= 1000000 and loan amount < 10000000 then interest rate: 5%

Calculate interest amount for 5 years of duration

Si=n*r*i/100

Calculate pet month EMI.

30. write a java program of check whether it is alphabet or not.

31. Accept character from user check whether it is capital or small letter or anything else.

32.write a java program to display character is a digit or not.

33.Accept character from user check whether it is special or not.

34.javaprogram of number is divisible by 5 and 7 using nested if else.

35.java program of maximum of three number using nested if else.

36. java program of maximum of three number using nested if else.

37.write a java program of maximum of 4 number using nested if else.

38. Accept age, weight, hemoglobin from user and check whether he/she is eligible for blood donation.

39. accept 10th, 12th and graduation marks from user and check he/she eligible for interview or not.

40.Accept m1, m2, m3 marks of subject from user and calculate total, per, class but if candidate is getting mark in every subject>=40 then and then only display class, otherwise show message fail or ATKT fail.

41.write a java program of maximum of two number using ternary operator.

42.write a java program of maximum of three number using ternary operator.

43. Write a program that calculates the ticket price for a movie based on the age of the customer. Children under 12 get a discount, while seniors over 65 also get a discount.

44. Write a program that simulates a traffic light. The program asks the user for the current color of the traffic light and then informs them of the appropriate action based on the color.

45. Movie Ticket Pricing

- Children (under 13 years): Rs. 100 on weekdays, Rs. 120 on weekends.
- Adults (13 to 64 years): Rs. 150 on weekdays, Rs. 180 on weekends.
- Seniors (65 years and above): Rs. 130 on weekdays, Rs. 150 on weekends.

46. Product Category Discount.

- Electronics: 10% discount.
- Clothing: 15% discount, but 20% if the purchase amount is over Rs. 5000.
- Food: No discount, unless the purchase amount is over Rs. 1000, then 5% discount.

47. Write a java program to input month number and print number of days in that month.

48. Write a program to read a 3-digit number and find whether the middle digit is numerically equal to the sum of the other Two digits and prints an appropriate response?

49. A company insures its drivers in the following cases

- If the driver is married
- If the driver is unmarried, male, and above 30 years of age
- If the driver is unmarried, female and above 25 years of age

In all other cases, the driver is not insured. If the marital status, gender, age of the driver are the inputs, write a program to determine whether the driver is insured or not. (use 'nested-if').