

conditional statement practice questions.

1. program to find maximum between two numbers (inputs from scanner class).
2. Write a program to find the maximum between three numbers. (inputs from scanner class).
3. Write a program to check whether a number is negative, positive or zero.
4. Write a program to check whether a number is divisible by 4 and 100 or not.
5. Write a program to check whether a number is even or odd.
6. Write a program to input any alphabet and check whether it is vowel or consonant.
7. Write a program to read the value of an integer m and display the value of n is 1
8. when m is larger than 0, 0 when m is 0 and -1 when m is less than 0.
9. Write a program to check whether a triangle can be formed by the given value for the angles.(3 angles sum should be 180 ,);
10. Write a program to calculate profit and loss on a transaction. (inputs from scanner
11. class , SellingPrice and CostPrice).
12. Write a program in to read any Month Number in integer and display Month name in the word. (use case statement).
13. Given three values representing the lengths of the three sides of a triangle, determine whether the triangle is regular (all three sides are equal), symmetric (two sides are equal), or irregular (no two sides are equal).
14. Write a Java program that takes three numbers from the user and prints the greatest number

Input the 1st number: 25
Input the 2nd number: 78
Input the 3rd number: 87

Expected Output :

The greatest: 87
15. Write a Java program to display the cube of the given number up to an integer.
16. Check if a number is positive, negative, or zero
17. Check if a year is a leap year.
18. Determine the grade based on a student's score.
19. Write a Java program to calculate the total number of days in a given month.
20. Write a Java program to convert a numeric grade to a letter grade.
21. Write a Java Program to display the name of a day of the week based on the given number(1-7).
22. Write a Java Program to determine if a person is eligible to vote based on their age and nationality.
23. Write a Java program to display the multiplication table of a given integer.
24. Write a Java program that displays the sum of n odd natural numbers.
25. Write a java program to print number from 1 to 10 Except 5

26. Print Prime Numbers from 1 to 20 Except 2.
27. When the value of i becomes 4 or 18, skips its execution but for other values of i, the loop will run smoothly.
28. When the value of i becomes 3 and j become 2, their execution but for other values of i and j, the loop will run smoothly.
29. Print Even Numbers from 20 to 40 Except 28, and 32.
30. Write a java program to print 10 Fibonacci numbers skip 13 and 35.
31. Write a java program to print multiples of 7 numbers except 56 ,49.
32. Print Odd numbers from 50 to 100 Except 53, 97, 77.
33. Write a program to calculate the sum of positive numbers entered by the user. The program stops taking input when a negative number is entered.
34. Write a program to print the odd numbers between 1 and 10, excluding multiples of 3.
35. Write a program that reads a series of integers from the user until they enter a negative number. The program should skip the negative numbers and print the sum of the positive numbers.
36. Write a program to print all even numbers from 1 to 20 using a for loops. Use the continue statement to skip the odd numbers.
37. Write a program that takes a grade as input (A, B, C, D, or F) and prints a corresponding message based on the grade using a Switch Statements.
38. Write a program that takes a number from 1 to 12 as input and prints the corresponding month name using a Switch Statements.
39. Write a program that takes two numbers and an operator(+, -, *, /) as input and performs the corresponding arithmetic operation using a Switch Statements.
40. Write a program that prompts the user to enter a number from 1 to 7 and display the corresponding day of the week using a Switch Statement.
41. Write a program that takes the number of sides of a shape as input and determine its name (e.g., triangle, square, pentagon) using a Switch Statements.
42. A certain grade of steel is graded according to the following conditions
 1. Hardness must be greater than 50
 2. Carbon content must be less than 0.7
 3. Tensile strength must be greater than 5600

The grades are as follows:

- Grade is 10 if all three conditions are met

- Grade is 9 if conditions (i) and (ii) are met
- Grade is 8 if conditions (ii) and (iii) are met
- Grade is 7 if conditions (i) and (iii) are met
- Grade is 6 if only one condition is met
- Grade is 5 if none of the conditions are met

Write a program, which will require the user to give values of hardness, carbon content and tensile strength of the steel under consideration and output the grade of the steel.

43. A library charges a fine for every book returned late. For the first 5 days the fine is 50 paise, for 6-10 days fine is one rupee and above 10 days fine is 5 rupees. If you return the book after 30 days your membership will be canceled. Write a program to accept the number of days the member is late to return the book and display the fine or the appropriate message.
44. In a company, worker efficiency is determined on the basis of the time required for a worker to complete a particular job. If the time taken by the worker is between 2 – 3 hours, then the worker is said to be highly efficient. If the time required by the worker is between 3 – 4 hours, then the worker is ordered to improve speed. If the time taken is between 4 – 5 hours, the worker is given training to improve his speed, and if the time taken by the worker is more than 5 hours, then the worker has to leave the company. If the time taken by the worker is input through the keyboard, find the efficiency of the worker
45. Write a Java program that reads a positive integer and counts the number of digits.
46. Write a Java program to create a simple calculator.
47. Write a program to find the factorial value of any number without using a loop.
48. Write a Java program that displays the sum of n odd natural numbers.
49. Print numbers from 1 to 10.
50. Calculate the sum of numbers from 1 to 100.
51. Print all even numbers from 120 to 130.
52. Write a java program to print sum of all even and odd numbers.
53. Print the multiplication table of a given number.
54. Print all the elements are divisible by a given number.
55. Write a program in Java to input 5 numbers from the keyboard and find their sum and average.
56. Write a Java program to display the square of the given number up to an integer.
57. Write a program in Java to input 5 numbers from the keyboard and find their sum and average.
58. Armstrong Number is a positive number if it is equal to the sum of cubes of its digits is called Armstrong number and if its sum is not equal to the number then it's not an Armstrong number. Examples: 153 is Armstrong, $(1*1*1) + (5*5*5) + (3*3*3) = 153$
59. An Automorphic number is a number whose square "ends" in the same digits as the number itself. Examples: $5*5 = 25$, $6*6 = 36$, $25*25 = 625$.
60. A number is said to be Buzz Number if it ends with 7 or is divisible by 7. Example: 1007 is a Buzz Number.
61. Two integers a and b are said to be relatively prime, mutually prime, or coprime if the only positive integer that divides both of them is 1. Example: 13 and 15 are co-prime.
62. A Duck number is a number which has zeroes present in it, but there should be no zero present in the beginning of the number. For example, 3210.

63. Factor a number or algebraic expression that divides another number or expression evenly—i.e., with no remainder. For example, 3 and 6 are factors of 12 because $12 \div 3 = 4$ exactly and $12 \div 6 = 2$ exactly. The other factors of 12 are 1, 2, 4, and 12. Factors of 12: 1, 2, 3, 4, 6, 8, 12.
64. A series of numbers in which each number (Fibonacci Number) is the sum of the two preceding numbers. The simplest is the series 0, 1, 1, 2, 3, 5, 8, etc.
65. If a number=1234, then $1*2*3*4$, Multiply of digit=24, Multiply of Digit Program in Java.
66. A neon number is a number where the sum of digits of the square of the number is equal to the number. For example, if the input number is 9, its square is $9*9 = 81$ and the sum of the digits is 9. i.e., 9 is a neon number.
67. A palindromic number is a number that remains the same when its digits are reversed. Like 16461.
68. A perfect number is a positive integer that is equal to the sum of its positive divisors, excluding the number itself. For instance, 6 has divisors 1, 2 and 3, and $1 + 2 + 3 = 6$, so 6 is a perfect number.
69. If a number=1234, then the reverse of the number is 4321.
70. Print numbers from 1 to 10 using a do-while loop.
71. Write a program to calculate the sum of the first 10 natural numbers.
72. Write a program to enter the numbers till the user wants and at the end the program should display the largest number entered.
73. Print Sum of positive numbers using do while loop.
74. Write a java program to print sum of all even and odd numbers using do while loop.
75. Write a program to enter the numbers till the user wants and at the end the program should display the smallest number entered.
76. Write a java program to check if a given number is prime or not using a do-while loop.
77. Print all the elements are divisible by a given number.
78. Write a java program to print the average of numbers entered by the user.
79. Write a Java program to display the multiplication table of a given number.