

C++ Test Sheet: Conditional Statements & Loops

1. Write a program using if-else to check whether a number is even or odd.
2. Write a program to find the greatest of three numbers using if-else.
3. Write a program to check whether a character is a vowel or consonant using if-else.
4. Write a program to determine if a student passed or failed based on marks using if-else.
5. Write a program using switch case to display the day of the week (1 = Monday, 2 = Tuesday, etc.).
6. Write a program using switch case to create a simple calculator (add, subtract, multiply, divide).
7. Write a program using if-else to check whether a number is positive, negative, or zero.
8. Write a program using if-else to check if a year is a leap year or not.
9. Write a program using switch to print the name of a month when given a number (1–12).
10. Write a program using for loop to print the first 10 natural numbers.
11. Write a program using for loop to calculate the factorial of a number.
12. Write a program using for loop to print the multiplication table of a given number.
13. Write a program using while loop to print numbers from 1 to 50.
14. Write a program using while loop to calculate the sum of digits of a number.
15. Write a program using while loop to reverse a given number.
16. Write a program using do-while loop to print numbers from 1 to 10.
17. Write a program using do-while loop to take input until the user enters 0.
18. Write a program using do-while loop to calculate the sum of first N natural numbers.
19. Write a program combining if-else and loops to check whether a number is prime.
20. Write a program combining if-else and loops to find the largest element in an array.