

C-Practical Programmes

- 1 Hello World Program
- 2 Add Two Numbers
- 3 Check Even or Odd
- 4 Find the Largest Number Among Three
- 5 Swap Two Numbers
- 6 Calculate Factorial of a Number
- 7 Fibonacci Series
- 8 Prime Number Check
- 9 Reverse a Number
- 10 Palindrome Check
- 11 Calculate the Sum of Digits
- 12 Decimal to Binary Conversion
- 13 Binary to Decimal Conversion
- 14 Basic Calculator
- 15 Area of a Circle
- 16 Area of a Rectangle
- 17 Area of a Triangle
- 18 Simple Interest Calculation
- 19 Celsius to Fahrenheit Conversion
- 20 Fahrenheit to Celsius Conversion
- 21 Armstrong Number Check
- 22 Perfect Number Check
- 23 Print ASCII Value of a Character
- 24 GCD (Greatest Common Divisor)
- 25 LCM (Least Common Multiple)
- 26 Factorization of a Number
- 27 Reverse a String
- 28 Count Vowels and Consonants in a String
- 29 String Concatenation
- 30 String Length Calculation
- 31 Check for Anagrams
- 32 Count Words in a Sentence
- 33 Bubble Sort
- 34 Selection Sort
- 35 Insertion Sort
- 36 Linear Search
- 37 Binary Search
- 38 Merge Sort
- 39 Quick Sort
- 40 Matrix Addition
- 41 Matrix Subtraction
- 42 Matrix Multiplication
- 43 Transpose of a Matrix
- 44 Check Upper Triangular Matrix
- 45 Check Lower Triangular Matrix
- 46 Pascal's Triangle

- 47 Print Hollow Pyramid
- 48 Print Number Pattern
- 49 Print Floyd's Triangle
- 50 Print Diamond Pattern
- 51 Check Leap Year
- 52 Print Calendar of a Month
- 53 Find GCD and LCM of Array Elements
- 54 Matrix Diagonal Sum
- 55 Check for a Magic Square
- 56 Linked List Implementation
- 57 Stack Implementation
- 58 Queue Implementation
- 59 Circular Linked List Implementation
- 60 Binary Tree Traversal (Inorder, Preorder, Postorder)
- 61 Binary Search Tree (Insertion, Deletion, Search)
- 62 Depth-First Search (DFS) on a Graph
- 63 Breadth-First Search (BFS) on a Graph
- 64 Dijkstra's Algorithm
- 65 Prim's Algorithm
- 66 Kruskal's Algorithm
- 67 Convert Infix to Postfix Expression
- 68 Evaluate Postfix Expression
- 69 Check for Balanced Parentheses
- 70 Convert Decimal to Roman Numerals
- 71 Convert Roman Numerals to Decimal
- 72 Conversion of Units (e.g., Distance, Weight)
- 73 Basic File Operations (Read, Write, Copy)
- 74 Implement a Simple Shell
- 75 Basic Memory Allocation and Deallocation
- 76 Implement a Circular Queue
- 77 Implement a Priority Queue
- 78 Implement a Hash Table
- 79 Basic Socket Programming (Client-Server Interaction)
- 80 Producer-Consumer Problem (Multithreading)