

C Program List Basic to Advanced

Basic Programs

1. Hello World
2. Print Hello 10 times
3. Sum
4. Difference
5. Difference using function
6. Multiplication
7. Quotient and Remainder
8. Maximum of two num
9. Maximum between two numbers using function
10. Maximum of three num
11. Maximum between three numbers using function
12. Odd & Even
13. Odd even using function
14. Positive/Negative number check
15. Leap Year
16. Leap Year Program
17. Prime number upto 50
18. Prime number checking
19. Factorial number
20. Factorial using function
21. Factorial using recursion
22. Fibonacci number
23. Fibonacci series using function
24. Fibonacci series using recursion

25. Square using function
26. Sum of 1st 10 natural numbers
27. Square and average of 1st 10 natural numbers
28. Sum of a following series 1
29. Sum of a following series 2
30. n terms of odd number and their sum
31. Check whether a number in an array of n elements is even or odd positive or negative and count them
32. Product of 1st and last digit
33. Swapping with Temp variable
34. Swapping without Temp variable

Intermediate Programs

35. Area and circumference of a circle
36. Perimeter and area of a triangle
37. Sides of Triangle
38. Cost and selling price
39. Gross Salary
40. Gross Salary Calculation
41. Swapping with Temp variable using function
42. Swapping without Temp variable using function
43. Swapping 1st and last digit
44. Reversing num using while loop
45. Palindrome number check
46. Reversed and palindrome checking
47. Decimal to binary using array
48. Decimal to binary without using array
49. Sum of 1st and last digit of a num
50. Maximum and minimum element in an array

51. Frequency of each digit in an array
52. Uppercase lowercase count using string library functions
53. Uppercase lowercase count without using string library functions
54. Capitalizing first letter of each word using library functions
55. Capitalizing first letter of each word without using library functions
56. Checking a triangle is valid or not
57. Divisible by 6 or not
58. Check whether a number is divisible by 5 & 11
59. Input mXn matrix & display
60. Matrix multiplication (2D array)
61. Matrix sum (2D array)
62. Row-wise and column-wise sum matrix
63. Name short using string
64. Traversal using array
65. Digit count using function
66. Sum of each digit and factorial of the sum
67. Total number of digits and their sum using while loop
68. Perimeter and area of a triangle
69. Row-wise column-wise sum matrix

Advanced Programs

70. Basic calculator
71. Simple calculator using switch case
72. Power function using function
73. Power function using recursion
74. Power function without using math
75. G.C.D & L.C.M using loop
76. G.C.D & L.C.M using function

77. G.C.D & L.C.M using recursion
78. Matrix input mXn and display
79. Descending sort of two arrays
80. Odd-even separation in array
81. Twin prime numbers
82. Sum of two diagonals of a matrix
83. 2D array taking inputs and display
84. Array insert at front
85. Array insert at end
86. Array insert at any position
87. Array delete from front
88. Array delete from end
89. Array delete from any position
90. Array search
91. Array sort
92. Full Linked List
93. Grade calculation
94. Gross salary using function
95. Sum of digits and product using function
96. Add the digit of a number
97. Armstrong number checking
98. GSum using function
99. Difference using function