**List of Basic Programs generally asked …**

**If you are capable to solve these basic programs then you can crack any type of problem.**

**Try to solve all the problems one by one without any help (by solution from somewhere)**

**I am very sure your concepts will be more and more clear.**

1. Write a Program to find simple Interest.

2. Write a Program to show swap of two no’s without using third variable (by 2 concepts).

3. Write a Program to reverse a given number.

4. Write a Program to find gross salary of an employee.

5. Write a Program to find greatest in 3 numbers.

6. Write a Program to find that entered year is leap or not?

7. Write a Program to shift inputted data by two bits to the left.

8. Write a Program to display arithmetic operator using switch case.

9. Write a Program to display first 10 natural no. & their sum.

10. Write a Program to print Fibonacci series upto 100.

11. Write a Program to find factorial of any no.

12. Write a Program to find whether the given no is a prime or not?

13. Write a Program to display sum of series 1+1/2+1/3+…….+1/n.

14. Write a Program to display series and find sum of 1+3+5+………+n.

15. Write a Program to add two number using pointer.

16. Write a Program to show sum of 10 elements of array & show the average.

17. Write a Program to find the maximum no in an array.

18. Write a Program to display a matrix.

19. Write a Program to display sum of two matrices.

20. Write a Program to display multiplication of two matrices.

21. Write a Program to find transpose of a matrix.

22. Write a Program to find the maximum number in array using pointer.

23. Write a Program to show input & output of a string.

24. Write a Program to find square of a number using functions.

25. Write a Program to swap two numbers using functions.

26. Write a Program to find factorial of any no using functions.

27. Write a Program to show call by value.

28. Write a Program to show call by reference.

29. Write a Program to find largest of two numbers using functions.

30. Write a Program to find factorial of a no. using recursion.

31. Write a Program to find whether the string is palindrome or not?

32. Write a Program to find number of occurrences of vowel, consonants, word, spaces, and special characters in the given statement.

33. Write a Program to create enumerated data type for 12 months. Display their values in integer constants.

34. Write a Program to evaluate the equation y=xn when n is a non- negative integer.

35. Write a Program to print the multiplication table from 1\*1 to 12\*10.

36. Write a Program which uses for loop to print the powers of 2 table for the power 0 t0 20, both positive and negative.

37. A class of n students take an annual examination in m subjects. A Write a Program to read the marks obtained by each student in various subjects and to compute and print the total marks obtained by each of them.

38. Write a Program to evaluate the series 1/1-x=1+x+x^2+x^3+…….+x^n.

39. Write a Program to print binomial coefficient table.

40. Write a Program to draw a HISTOGRAM.

41. Given below is the list of marks obtained by a class of 50 students in an annual examination.

43 65 51 27 79 11 56 61 82 09 25 36 07 49 55 63 74 81 49 37 40 49 16 75 87 91 33 24 58 78 65 56 76 67 45 54 36 63 12 21 73 49 51 19 39 49 68 93 85 59

Write a Program to count the number of students belonging to each of the following groups of marks : 0-9, 10-19, 20-29, ----,100.

42. Write a Program to sort the elements of an array in descending order.

43. Write a Program for removing the duplicate elements in an array.

44. Write a Program to sort a list of numbers and to determine median.

45. Write a Program to calculate standard deviation.

46. Write a Program to read a series of words from a terminal using scanf function.

47. Write a Write a Program to copy one string into another and count the number of characters copied.

48. Write a Program for printing of the alphabet set in decimal and character form.

49. Write a Program that would sort a list of names in alphabetical order.

50. Write a function power that computes x raised to the power y for integers x and y and returns double type value.

51. Write a Program to evaluate the equation s= sqr(a()+b()) using function.

52. Write a Program to call user defined function trough switch() statement.

53. Write a Program to call function through the for loop.

54. Write a Program to call user defined function through if statements.

55. Write a Program to calculate square and cube of an entered number . Use functions as an argument.