C PROBLEMS FOR BEGINNERS

1. Take input of 3 integer numbers using scanf() function and calculate sum of them.
2. Take a character input and print its corresponding ASCII value
3. Take an integer (0<N<128) input and print its corresponding character.
4. Print a floating number using printf() function.
5. Print a slash(/) and backslash(\) using printf() function.
6. Take 11 inputs of any type of number and find the average of them.
7. Take two integer numbers. Calculate the sum, subtraction, product and division of them. Print the result in new lines.
8. Take character input using scanf() function and print the character.
9. Take a character input and print its corresponding ASCII value.
10. Take input 1222.22 and 2345.678 using integer variable. Multiply them and keep the result upto 3 decimal places.
11. Suppose N students have appeared exam out of 300 marks. Consider marks obtained by them and

determine percentage of marks obtained by individual student and the total students.

12. Consider two integers A and B. Now swap them.
13. Find maximum and minimum number between two two, three and N integer numbers.
14. Consider two integer numbers and find out whether it is positive or negative or zero.
15. Determine whether a number is odd or even.
16. Consider a character input and find out whether it is uppercase or lowercase.
17. Take any input. Print the input if it is a character otherwise print that it is not character input.
18. Take two integers and characters to check whether they are equal or not.
19. Take two integers A and B. Check whether A is divisible by B or not.
20. Consider a year and determine whether it is leap year or not.
21. Take two integer and make the following menu:

    A. Addition
    B. Subtraction
    C. Multiplication
    D. Division

    Now take the user choice i.e. A, B etc and print the result.

22. Take two integer and make the following menu:
    (1) Addition
    (2) Subtraction
    (3) Multiplication
    (4) Division

    Now take the user choice i.e. 1, 2 etc and print the result.
23. 1+2+3+.....+N=? Take N as input integer.
24. $1^2+2^2+3^2+.....+N^2$ =? Take N as input integer.
25. 1+3+5+.....+N=? Take N as input integer.
26. $1\cdot 2+2\cdot 3+3\cdot 5+4\cdot 8+5\cdot 12$+....=? Take N as input integer.
27. 1+2-3+4-.....+N=? Take N as input integer.
28. Take an integer input N and find out the sum of the individual digit. Example: if N = 234 then your output will be 2+3+4 = 12.
29. Find factorial value of input integer.
30. Take any integer value. Find out whether it is prime or not.
31. Find prime numbers upto N where N is given input.
32. Take an integer input and print it's all factors.
33. Find the prime factors of an input integer.
34. Find out the value of X^N where X and N will be given input.
35. Print the fibonacci series.

36. Print the following series:
    A. sinx
    B. cosx
    C. e^X
    D. logx
    E. $log_e x$
    F. tanx
37. Take an integer input and print Yes if it is perfect number and No if it is not.
38. Take an integer input N and print N number of perfect numbers.
39. Take an integer (Decimal) input and convert it to binary and octal number.
40. Take an integer (Binary) input and convert it to octal and decimal number.
41. Take an integer (Octal) input and convert it to binary and decimal number.
42. Declare an array of integer of 15 numbers and print the numbers.
43. Declare an array of character of 15 numbers and print the characters.
44. Declare an array of float numbers of 15 numbers and print the float numbers.
45. Declare an array of integer of 10 numbers and calculate the sum of them.

46. Declare the array of integer of 10 numbers and find out the maximum number.
47. Declare the array of integer of 10 numbers and find out the minimum number.
48. Declare the array of integers. Remove the common elements from the first array and print the rest of the numbers.
49. Declare an array where you can put your name.
50. Take a string and an integer and determine whether it is palindrome or not.
51. Take two strings and print 0 if both are equal, 1 if first string is greater than second and -1 if second string is greater than first.
52. Take two string as input and determine the sum, product and difference of them.
53. Take 3×3 matrix (2 dimensional array) as input and then print it.
54. Find the GCD and LCD of two given inputs.
55. Convert into celsius scale from fahrenheit scale and vice versa.
56. 2+4+6+.....+N=? Take N as input.
57. Print and add the even and odd numbers from N numbers where N is given input.
58. Determine the roots of binomial equation $ax^2 + bx + c = 0.$

59. Determine the area of a triangle whose length of three sides are given.
60. Determine the area of a triangle whose length of base and height are given.
61. Determine the area of a rectangle, parallelogram, square, rhombus.
62. Determine the perimeter of a rectangle and triangle.
63. Determine the number of positive and negative numbers from N number of inputs.
64. Determine the reverse value of any number.
65. $1+\frac{1}{3}+\frac{1}{5}+.....+\frac{1}{N}=?$ Take N as input integer.
66. Apply the binary search method to find out any definite number.
67. $(1\times 2)+(2\times 3)+.....+N\times(N+1)=?$ Take N as input.
68. Input A-B numbers where B>A. Now print the largest and smallest number among them.
69. Prepare a program to determine the grade sheet of the students of a class.
70. Convert a numerical number into its written form. Example: input-2 output- two.
71. Write a program to print a word N number of times.
72. Print the multiplication table of N number.

73. Print 1-N numbers where N is a positive natural number.
74. Take input of 1-N numbers and print the numbers excluding anyone among them.
75. Determine the number of positive and negative numbers from N number of inputs using array.
76. Reverse a series of numbers and print the number of numbers present in that series.
77. Using function determine the factorial of N numbers.
78. Using function determine the value of X^N.
79. Determine the square of numbers using return statement.
80. Print the prime numbers from M-N where N>M.