

1. For any integer input through the keyboard, write a C program to find out whether it is odd or even.
2. Write a C program to input cost price (CP) and selling price (SP) and determines whether there is gain or loss.
3. Write a C program that reads three numbers and displays the largest among them.
4. Write a C program that checks whether the number entered by the user is exactly divisible by 5 but not by 11.
5. Write a C program to find the commission amount on the basis of sales amount as per following conditions:

Sales amount (TK)	Commission
0-1000	5%
1001-2000	10%
>2000	12%
6. Write a program to display name of the day on the basis of entered number 1 to 7. For example, 1 for Sunday.
7. Write a C program to display the sum of 'n' terms of even numbers.
8. Write a C program to input a number and display its multiplication table.
9. Write a C program to read a positive number integer less than 20 and display its multiplication table.
10. Write a C program to print 10 terms of any series using FOR loop.
11. Write a C program to print 10 terms of the following series using FOR loop, 1, 5, 9, 13
12. Write a C program to read a four digit number and display it in reverse order.
13. Write a C program to find the factorial of a given positive number.
14. Write a C program to print 10 positive integers and their factorials.
15. Write a program to input an integer number and check whether it is prime or not.
16. Write a C program to input 'n' numbers and find out the largest and smallest number.
17. Write a program to ask any n numbers from the user. Sort them in ascending order and display.
18. Write a program to store ten different constant variables in an array and print out the greatest
19. Write a program to sort integer variables in descending order.
20. Write a C program to read salaries of 200 employees and count the number of employees getting salary between 5000 to 10000.
21. Write a program using C language to read the age of 100 persons and count the number of persons in the age group between 50 and 60. Use FOR and CONTINUE statement.
22. Write a C program to read age of 40 students and count the number of students of the age between 15 and 22.
23. Write a program in C to store mark obtained by 'n' students and count the number of students who obtained mark greater than 70. Also count the number of students who are failed. (<35)
24. Write a program to read elements of the two matrices of order 3 x 3 and perform the matrix addition.
25. Write a program to count the number of vowels and consonants in a given text.

26. Write a program to read a line of text and convert it into uppercase.
27. Write a program to input n names and sort them in alphabetical order.
28. Write a C Program to enter name of students and age of ten different students in array and
29. Write a program to store name and mark of 20 students. Sort the data according to mark in descending order and display them.
30. Write a C program to store Kathmandu valley's 7 days maximum and minimum temperature (in centigrade) and calculate average, maximum, minimum temperature using function and print 7 days temperature, minimum, maximum and average temperature using any high level programming language.
31. Write a C program to input a message from keyboard and display the menu
 - a. Print the message length in terms of characters.
 - b. print the message in reverse order
 - c. print the message in capital letters
 - d. copy the message from one location of screen to another location.
32. Write a program to find the sum of n integer numbers using function.
33. Write a program to calculate the factorial of a given number using function.
34. Write a program to calculate the factorial of a given number using recursive function.
35. Write a program using user defined function to calculate y raise to power x.
36. Write a program that reads different names and addresses into the computer and rearrange them into alphabetical order using the structure variables.
37. Write a program to show data writing and reading operation to/from a data file.
38. Write a program to enter name, roll-number and marks of 10 students and store them in a file.
39. Write a program to store std-no, name and mark of 'n' students in a data file. Display the records in appropriate format reading from the file.
40. Write a program using C language that reads successive records from the new data file and display each record on the screen in an appropriate format.
41. Write a program to rename and delete a data file using rename and remove command.
42. Write a program to open a new file and read roll-no, name, address and phone number of students until the user says "no", after reading the data, write it to the file then display the content of the file.

43. Write a C program to input elements in an array and print array using pointers. How to input and display array elements using pointer in C programming.

Example

Input

Input array size: 10

Input elements: 1

2

3

4

5

6

7

8

9

10

Output

Array elements: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

44. Write a C program to swap corresponding elements of two arrays using pointers. How to swap two arrays using pointers in C program. Logic to swap two arrays of different length using pointers in C programming.

Example

Input

Input first array: 10 20 30 40 50 60 70 80 90 100

Input second array: 0 9 8 7 6 5 4 3 2 1

Output

First array after swapping: 0 9 8 7 6 5 4 3 2 1

Second array after swapping: 10 20 30 40 50 60 70 80 90 100

45. How to access two dimensional array using pointers in C programming? Write a C program to input and print elements of a two dimensional array using pointers and functions.

Example

Input

Input elements in 3x3 matrix:

1 2 3

4 5 6

7 8 9

Output

Elements of 3x3 matrix:

1 2 3

4 5 6

7 8 9

46. Write a C program to multiply two matrix using pointers. How to input and multiply two matrix using pointer in C programming. Logic to multiply two matrix using pointer in C.

Example

Input

Input elements of matrix1:

10 20 30

40 50 60

70 80 90

Input elements of matrix2:

1 2 3

4 5 6

7 8 9

Output

Product of matrices is :

300 360 420

660 810 960

1020 1260 1500

47. Write a C program to find length of a string using loop. How to find length of a string without using in-built library function strlen() in C programming. Effective way to find length of a string without using strlen() function. How to find length of a string using strlen() string function.

Example

Input

Input string: I love programming. I love Codeforwin.

Output

Length of string: 38

48. Write a C program to compare two strings using loop character by character. How to compare two strings without using inbuilt library function strcmp() in C programming. Comparing two strings lexicographically without using string library functions. How to compare two strings using strcmp() library function.

Example

Input

Input string1: Learn at Codeforwin.

Input string2: Learn at Codeforwin.

Output

Both strings are lexicographically equal.