

## Function Program in C

1. What is C function?
2. Uses of C functions
3. C function declaration, function call and definition with example program
4. How to call C functions in a program?
  1. Call by value
  2. Call by reference
5. C function arguments and return values
  1. C function with arguments and with return value
  2. C function with arguments and without return value
  3. C function without arguments and without return value
  4. C function without arguments and with return value
6. Types of C functions
  1. Library functions in C
  2. User defined functions in C
    1. Creating/Adding user defined function in C library
7. Command line arguments in C.
8. Variable length arguments in C.
9. Define function with arithmetic operation.
10. Define call by value with parameter and without parameter .

## Array :

1 WAP to print Pascal's triangle.

2:-WAP to analyze the result of 100 students in tabulated manner .

Filter these things according to user

A):- highest marks

B):-Total marks (highest ).

3:- Sort two 2-D array and merge them in another array .

4:- WAP to fills a five by five matrix as follows .

- ⇒ Upper left triangle with 1.
- ⇒ Lower right triangle with 1
- ⇒ Right to left diagonal with 0.

### List of C pointers Programs

1. Program to create, initialize, assign and access a pointer variable.
2. Program to swap two numbers using pointers.
3. Program to change the value of constant integer using pointers.
4. Program to print a string using pointer.
5. Program to count vowels and consonants in a string using pointer.
6. Program to read array elements and print with addresses.
7. Program to read and print student details using structure pointer, demonstrate example of structure with pointer.
8. Program to print size of different types of pointer variables.
9. Program to demonstrate example of double pointer (pointer to pointer).
10. Program to demonstrate example of array of pointers.