

FUNCTION

1. Write a C program to add, subtract, multiply and divide two integers using userdefined type function with return type.
2. Write a C program to calculate sum of first 20 natural numbers using recursive function.
3. Write a C program to generate Fibonacci series using recursive function.
4. Write a C program to swap two integers using call by value and call by reference methods of passing arguments to a function.
5. Write a C program to find sum of digits of the number using Recursive Function.
6. Write a C program to read an integer number and print the reverse of that number using recursion.
7. Write a C program to find maximum and minimum between two numbers using functions.
8. Write a C program to check whether a number is even or odd using functions.
9. Write a C program to check whether a number is prime, Armstrong or perfect number using functions.
10. Write a C program to find power of any number using recursion.

POINTER

1. Write a C program to find the sum of all the elements of an array using pointers.
2. Write a C program to swap value of two variables using pointer.
3. Write a C program to add two numbers using pointers.
4. Write a C program to input and print array elements using pointer.
5. Write a C program to copy one array to another using pointer.
6. Write a C program to swap two arrays using pointers.
7. Write a C program to reverse an array using pointers.
8. Write a C program to search an element in array using pointers.
9. Write a C program to add two 2 X 2 matrix using pointers.
10. Write a C program to multiply two 2 X 2 matrix using pointers.
11. Write a C program to find length of string using pointers.
12. Write a C program to copy one string to another using pointer.
13. Write a C program to concatenate two strings using pointers.
14. Write a C program to compare two strings using pointers.

STRUCTURE

1. Write a C program to create a structure named company which has name, address, phone and noOfEmployee as member variables. Read name of company, its address, phone and noOfEmployee. Finally display these members" value.
2. Define a structure "complex" (typedef) to read two complex numbers and perform addition, subtraction of these two complex numbers and display the result.
3. Write a C program to read RollNo, Name, Address, Age & average-marks of 12 students in the BCT class and display the details from function.

4. Write a C program to add two distances in feet and inches using structure
5. Write a C program to read and print an Employee's Details using Structure.

FILE

1. Write a C Program to list all files and sub-directories in a directory.
2. Write a C Program to count number of lines in a file.
3. Write a C Program to print contents of file.
4. Write a C Program to copy contents of one file to another file.
5. Write a C Program to merge contents of two files into a third file.
6. Write a C program to delete a file.