

C Suggestion

1. Write about the input and output functions of C?
2. What are the features of C Language?
3. Explain the structure of C?
4. Write down the compilation process with diagram?
5. Write Short note on Storage Class (auto, extern, static ,register)?
6. What are different types of errors explain?
7. What is data type? Explain in detail about each type of data type?
 - a. (system defined , derived(array, pointer), udd(enum, struct, union)
8. Define identifier, variable, constant, keywords in C?
9. Write about escape sequence, format specifiers?
10. Explain the following with structure and example
 - a. if else
 - b. nested if and ladder if
 - c. for loop
 - d. while loop
 - e. do while loop
 - f. switch
 - g. goto
11. Explain different operators of C with examples? (Relational, Arithmetic, Logical, binary, unary, ternary, bit wise)
12. What is branching(control structure, if, if else, ternary, loops, switch) or jumping statements(goto, break, continue, return) in C?
13. What is type casting in C language?
14. what are the differences between while and do while statements in c? explain with examples?
15. What is a structure? Explain it with the help of a student structure?
16. Explain an array? Explain the different ways of array declarations with examples?
17. Differentiate between Structure and Unions with examples?
18. Write the differences between while and do-while with example?
19. Explain the different types of string and math functions?
20. What is a functions? What are its features and advantages? Write the function definition?
21. What is a pointer? Explain Call by value and Call by reference with examples?
22. What is recursion? Explain with example (Factorial, Fibonacci)
23. Discuss about the differences between structure and Array?
24. Explain in detail about Union and enumerated data type?

Programs

1. Write a program to find largest of three numbers
2. Write a program GCM (HCF) of two numbers
3. Write a c program to check given number is prime number or not.
4. Write a program LCM of two numbers
5. C program to check a number is odd or even.
6. Write a c program to find out sum of digit of given number.
7. Write a program to check a year is leap year not
8. Write a program to swap two numbers without using third variable
9. Write a program to reverse a number
10. Program for factorial and Fibonacci with and without recursion
11. Write a program to linear search
12. Write a program Generating Multiplication Table
13. Write a program find area and Perimeter for triangle, rectangle and circle?
14. Write a program to find total and average of numbers using functions?
15. Write a program to convert centigrade to Fahrenheit
16. C program to find largest and smallest number in an array
17. Write a program to find a number is Armstrong number or not
18. Write a program to matrix addition, multiplication and transpose
19. Write a program to reverse a string and check if palindrome or not
20. Write a program to create student structure (use array of structure)
21. Write a program Find find Sum of the Series $1/1! + 2/2! + 3/3! + \dots + 1/N!$
22. Write a program find the Sum of Series $1 + 1/2 + 1/3 + 1/4 + \dots + 1/N$
23. Write a c program to find out the sum of series $1^3 + 2^3 + \dots + n^3$.
24. Write a c program to convert the string from upper case to lower case.
25. Write a program to find square root of a given number?