





12. a) i) Describe the following with respect to arrays :- need of an array, declaration of array and accessing an array element. (8)

ii) Explain in algorithm and write a C program to re-order a one-dimensional array of numbers in descending order. (8)

(OR)

b) Write a C program to find the transpose of a matrix.

13. a) i) Discuss on recursive function . Write a C program to find factorial of n using recursion. (8)

ii) Write a C program to reverse a string using recursion. (8)

(OR)

b) Explain the concept of pass by value and pass by reference with suitable example in C programming language.

14. a) Write a C program using structures to prepare the students mark statement. The number of records is created based on the user input.

(OR)

b) Write a C program using structures to prepare the employee pay roll of a company. The number of records is created based on the user input.

15. a) Explain in detail about command line arguments with an example of generating Fibonacci series of a number in C programming language.

(OR)

b) i) Write short notes on File functions in C,

1. fseek()
2. ftell()
3. rewind()
4. feof()
5. fscanf().

ii) Discuss about the modes of file handling.

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