

Important Question's

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BLOCK 1

Ques. 1 Draw Flowchart with an Algorithms of each?

- The given number is Prime number or not?
- The given number is Factorial Number?

Ques. 2 Mention the rules of using Big-O notation ?

Ques. 3 Explain the Linker errors ?

Ques. 4 Explain variables? How are variables declared in C? What are the rules to name variables in C? How to assign a value to the variable at the time of declaration? Explain with a suitable example ?

Ques. 5 What are Arithmetical and Logical Operators ?

Ques. 6 Difference between "&" and "&&" ?

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BLOCK 2

Ques. 1 Write the program to calculate the Factorial of a given input natural number?

Explain the following terms with examples in C.

- a) If statement
- b) Nested if statement
- c) Switch statement
- d) For loop statement
- e) While statement
- f) Do while ()
- g) Go To
- h) Break
- i) CONTINUE



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BLOCK 2

Ques. 2 Write a program to find the string length without using strlen() function ?

Ques. 3 Define the function prototypes with an example for each ?

Ques. 4 Difference between Call by Reference and call by value using an example program for each ?

Ques. 5 What is Recursion? Write the recursion function in C to generate a Fibonacci Series ?

Explain the following terms with examples in C.

- a) If statement
- b) Nested if statement
- c) Switch statement
- d) For loop statement



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BLOCK 3

- Ques. 1** Calculate the Net Salary if the basic TA, TD, allowance & deduction are given using structures ?
- Ques. 2** Explain union. Give an example code segment initialize a union and access a member of a union ?
- Ques. 3** Difference between Structure and Union ?
- Ques. 4** Define a Pointer? How is a pointer variable different from an array? Illustrate the pointer concept with the help of a program in C ?
- Ques. 5** Write a program to swap the values ?
- Pass by value
 - Pass by reference
- Ques. 6** Write a program to reverse an input string using pointers ?
- Ques. 7** Write the program to test whether the given string is a number palindrome or not ?
- Ques. 8** Difference between Sequential and Random Access Files ?



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BLOCK 3

Ques. 9 Define Macro? To find max among of three given numbers using #ifdef, #else ?

Ques. 10 Write the program to find out the square and cube of a given number using macros ?

Ques. 11 Explain the term File Handling? What is the use of fopen(), fclose() in file handling with an example in C ?

Ques. 12 Write a program in "C" to copy the content from one file to another file ?

Ques. 13 Explain the use of the following function in C with example.

- Putc and Getc
- fseek()
- ftell()
- rewind()
- fwrite()



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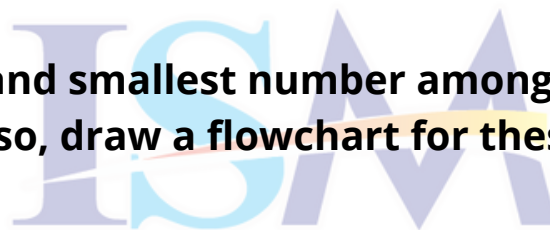


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Some important topic

- Write a program in C language to multiply two matrices A and B of size 3*3?
- Explain the following terms in C.
 - a) Local variable
 - b) Malloc()
 - c) calloc()
 - d) realloc()
- Write the program in C to find the all number is Armstrong numbers in the range of 0-999 ?
- Find the largest and smallest number among three numbers given as input? Also, draw a flowchart for these algorithms ?
- Design an algorithm and draw a flowchart and program to convert decimal number into binary number ?



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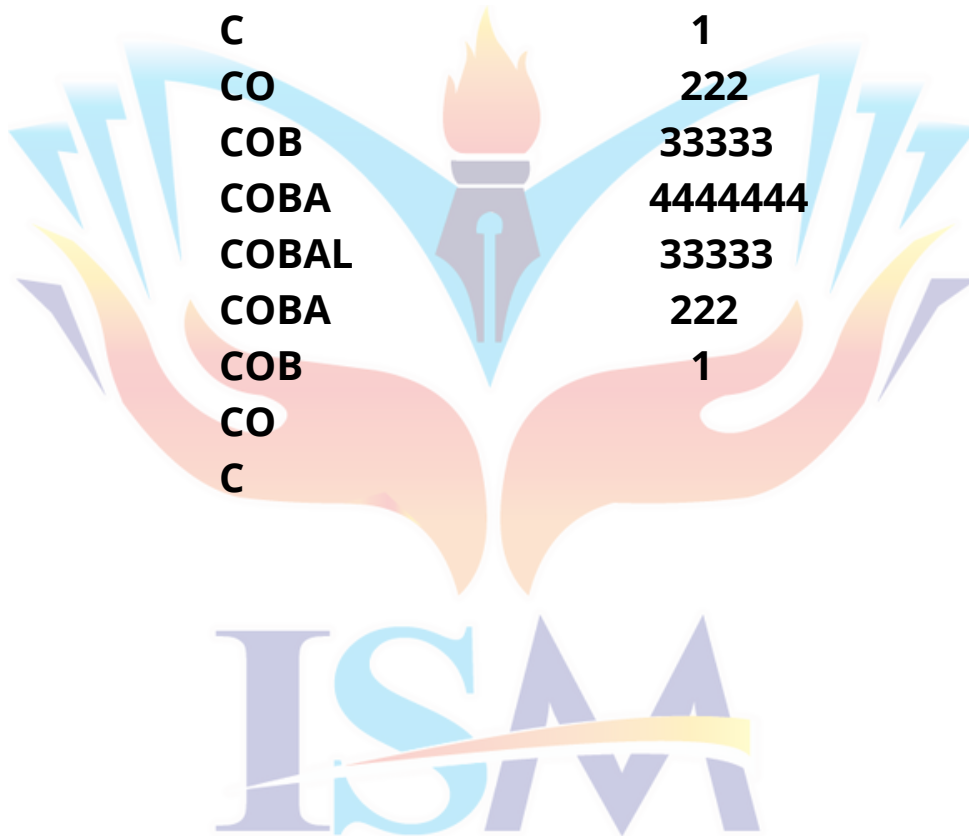
Some important topic

- Write a program to generate the following pattern?

a) 1
12
123
1234
12345

b) C
CO
COB
COBA
COBAL
COBA
COB
CO
C

c) 1
222
33333
4444444
33333
222
1



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