**C Interview questions**

**Basic Datatypes:**

1)Write a program to find whether the number is even or odd.

2)What is the output of the following program?

3)Write a program to find number of 0’s and 1’s in a byte..here 0xFF or 0x56? Or Write a program to count ones and zeroes in a given number?

4)Write a program to swap two numbers without using third variable?

5)Write a program to print the Fibonacci series?

6) Write a program to check the prime number?

7) Write a program to find Reverse of a number?

8)Write a program to check the palindrome number?

9)Write a loop statement which shows the following output:

1

1 2

1 2 3

1 2 3 4

10)What is the output of num1=2 and num2=1, logical AND and bitwise AND?

# 11) Write a Macro’s Set,clear and toggle n’th bit using bit wise operators?

**(or)** How to access single bit in list/Variable?

12)Write a program to check whether the number is positive or negative

13)Write a program using macro: number=0x06, to set a given number at a particular position=0x02.

14)Write a program to store your favorite number at 0x1000 address?

15)Write a program to store 0x1234 number at 0x0AD5 address.

16) Write a program for Real time Example of For,While&do-While??

17) Write a program to swap 2 numbers at least 5 methods?

18) Write a program for Ascending and Descending of given numbers by using sorting methods?

19) Write a program to find MaX/Min ?

**Functions:**

20) Write a program to return Basic data types from functions?

//A program to return int data type from functions?

//A program to return char data type from functions?

//A program to return float data type from functions?

21)Write a program to print the factorial of a given number by Non-Recursion and Recursion. Factorial: 5!=5\*4\*3\*2\*1=120??

//To print the factorial of a given number by Non-Recursion Method?

//to print the factorial of a given number by Non-Recursion Method?

**Arrays:**

22) Write a program add 12345 individually, Find Average?

23) Write a program to print the Phone Number?

24)Write a program to add an array of ten values.(1,2,3,….,10)?

25)Write a program to store ten sensor values?

26) Write a program to pass Array to a Function?

27) Write a program to return array from functions?

28) WAP to find missing number?

**Pointers:**

29) Write a program for Call by value&call by Reference?

30) Write a program to return Pointers from functions?

31)Write a program to find whether your processor little Endean or Big Endean??

32)Number:-0x1234, how it is stored in little endian and big endian format?

33)Write a program to find the size of variable or datatype by using size of() operator?

34)Write a program to find the size of variable or datatype with out using size of() operator?

35)Write a program for calculator using array of function pointers?

**String:**

36)Write a program to find the length of the string “yourname”.with library functions?

37)Write a program to find the length of the string “yourname”.with out library functions?

38)Write a program to reverse a string/Swap a string “yourname”. with library functions?

39)Write a program to reverse a string “yourname”. With out library functions?

**Structures/Unions:**

40)Write a program to pass the structure by values and structure by reference with example.

41) Write a program to return Structures from functions?

42) how to avoid structure padding using Pragma?

43)Write a program to illustrate bit fields?

**Data Structures(linked list):**

44)how to add/insert(at end,at start and in b/w) a element in Linked list?

45)How to Delete(at end,at start and in b/w) a element from linked list?

46)How to find linked list is circular/Linear?

47) Write a program to to Creat Stack And Queue by linked list?

**Interview Qns:**

<Add here>

**Interview Problems:**

1. Write a macro function to add two numbers?
2. Struct

{char a;

Int b;

Char c;

}test;

a) What is the size of char?

b) What is the memory allocated for test in 32bit processor?

3) Write a program to add Bug to create memory corruption?

4) Write a program to add memory to function?

5) Write a program to Implement power function of 2? /\*Up to to 8\*/

6) What is optimization? Write a program that variable get optimized?

a)Write a program to compile code with optimization option , with out Volatile?

b) Write a program to compile code with Volatile, to prevent optimization?

7)

Int a,b;

Staic function\_name()

{

A=0;

If(A==0)

{

B=1; //it get optimized.

}

Else

{

B=0; // it

}

}

How to change/make update of “A”/ how to Make “A”as volatile?

8)Write a program to to store a value at particular location?

a)Using value@address?

b)Using pointers?

9) Write a program to print size of variable with out using sizeof() ?

Note: Add your interview question here and send to me..