

Interview Questions

~~Ques~~

1st technical round

1) Storage classes (Auto, register, static, extern, static global)

With example

2) if-else, for, while, do-while, Switch case.

Special cases :- a) write if else in single line

eg:- $(x > y) ? x : y$ \leftrightarrow Like this

b) infinite for loop

c) infinite while loop

while(1) & while(5+6) \rightarrow which is faster.

3) Sorting logic (any one eg:- Bubble sort)

4) Functions, pass by value, pass by reference.

a) Function pointer

b) array of Function.

5) pointers \rightarrow void pointers, wild pointers, Dangling pointers.

6) Volatile, constant, volatile constant, volatile pointer

with eg

7) Structures, Structure padding (eg)

How memory is allocated ~~in~~ with structure padding & without padding

A

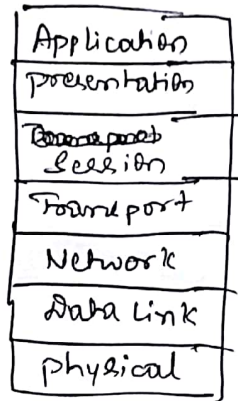
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8) user defined data types (Structure, Enum, Bitfields, typedef, unions)

with eg

9) OSI Layer



Explain

2nd technical ground

Logic

1) x, y, z

program to show all are equal

a) Normal if else

b) Using bitwise operators.

2) Greater of x, y, z

a) Normal if else

b) Conditional Statement

3) Find minimum value in array logic

4) Some set of requirements will be given
need to write code ~~to~~ to reach requirement
(Mainly concentrate on masking, arrays,
bitwise operators)

9) process

management 5) MACRO program (Some basic example)

6) pointer to pointer concept

7) Difference b/w Microcontroller & Micro processors

8) Process, thread, Scheduling (types)