**Qualcomm Interview Questions**

1. Self introduction
2. Interrupt Handling Concepts
3. Perform FIFO operations on Linked list
4. CPU Scheduling
5. Aptitude question: 3 Boxes one has oranges second has Apples and 3rd has Mixed(Apples + Oranges) all their labels are misplaced, take out only one fruit from any one box and adjust all the labels correctly.
6. Implement your own malloc function.
7. what is virtual memory? and why do you need it?
8. explain C memory layout
9. print address of a variable.
10. What is cache memory in cpu?
11. how program actually gets executed when you compile and run it using ./a.out?
12. where does programs get memory from?
13. how do you find how many bits are set in a given data?
14. how kernel modules are inserted?
15. what is a character driver?
16. how does a character driver work?
17. in what context does a driver run?
18. what is mutex?
19. swapping o a variable without using 3rd variable.
20. finding out string length using pointer.
21. explain bitwise operations.
22. what is process context and interrupt context?
23. what are structures and unions and their differences?
24. how do you insert a module and remove it?
25. what are function pointers? and write its syntax.
26. given int a=5; int \*ptr; char ch = 'c'; char \*char\_ptr; print sizes of the given data and also their values.
27. working of memcpy function and implement in your own.
28. synchronization concepts.
29. Types IPC mechanisms. what is pipes?
30. what is semaphores?
31. array operation: printing and searching for a given value.
32. Linked list insertion and deletion.
33. aptitude question: given 5 jars, 4 are filled with 1gm pills and one is filled with 2gm, find out which jar has 2gm of pills by weighing only once.
34. what are technologies u have learnt in past 6 months?
35. insert/replace a bit at particular position?
36. linked list syntax?
37. linked list insertion?
38. questions based on given program linked list question?
39. function pointer?
40. given a pointer and what does that prints? pointer increment operations.
41. how to find the size without using size of function?
42. Self Introduction.
43. Interrupt concepts including top halves, bottom halves.
44. Locking mechanisms.
45. Bitwise operation programs : swapping nibbles, toggle a bit, clear a bit.
46. Linked list programs : FIFO operation on linked list with and without using rear, LIFO operation.
47. String copy without using strcpy() function.
48. Finding length of string.
49. What are bitwise operators . using one’s complement implement your own program
50. What is character driver. Why are we using character diver. when to use this.
51. What are Operations performed on character driver.
52. IPC mechanism.
53. What is mutex , explain with example .
54. What is process, Process context ,Scheduling.
55. Difference between structure and union.
56. Implement a structure and union program , and what is the size of structure and union.
57. Array printing and searching element.
58. Synchronisation program .Write how the process between two processors.
59. Function pointers and printing all their address and values.
60. Spinlock process waiting functioning.
61. Give one structure and want to access the structure elements and address using pointer.

USHA SREE interview::

Qualcomm interview questions:

Syntax for following:

1)Array of 10 pointers

2)Poniter to array of 10 intergers

3) function pointer with integer argument and returning integer

4)const int \*ptr and int \*const ptr difference

5)how many storage classes in c ,explain each

6)where are they stored and initial values

7)what happens when you return a static variable and local variable through pointer

8) wap to set ,reset and toggle a bit

9)wap to check endianness of processor

10)wap to count no of bits set in a number

11)wap to implement single linked list

12)Difference between structure and union

13)wap to implement bitfields

14)In a snacks and ladder game there are 4 players store the dice values of each player in each iteration and display the values when game ends.

15)how do you implement device driver?

16) what is probe function ?how is it implemented or invoked?what do you do in probe function?

17) what is devicefile ?how do you create it?

18)what is sysfs ?what is procfs what is the difference

19)how do you request and process an interrupt?

20) explain spi protocol

21)how do you communicate using spi protocol

NAVEEN AND RAM interview::

qualcomm interview::

1.signed and unsigned difference?

2. what is SOC?

3. cpu architecture?

4. satck overflow condition in c program?

5.32 and 64 bit differences?

related to memory

6. booting process

semaphores, mutex, spinlocks embedded c learn