INVENTECH info solution pvt.ltd

1. Explain IPC mechanism ?

2. What is priority inheritance?

3. Difference between mutexe and critical sections?

4. What are reentrant locks? Implement a reentrant lock with mutexe.

5. What is top half and bottom half of kernel?

6. How dead locks works?

7. What is priority scheduling?

**LAXVEN solutions**

1.What is zmodem?(ARM 9)

2.Create 2nd dialog from 1st dialog form?(QT)

3.How sensor values are transmitted through IOT?What is the method you used?

4.What is difference between thread and process?

5.How to assign a single function for multiple widgets?(QT)

6.How to cross compile the qt application & how to add kit?(QT)

7.How to uboot the files and creating zimage?

**MBIT**

1.expalin about semaphores and mutex/

2.How dead lock occurs ?how to avoid it?

3.what is priority insertion and inheritance ?

**NCR**

1.What is grep command?

2.Explain IPC mechanism?

3.Explain Multi threading, sockets?

**/\* automotive robotics on 22-01\*/**

1.scheduling algorithms.

2.ipc mechanisms.

3.top half bottom half.

4.syncranization techniques.

5.what is dynamic linking and static linking

6.how kmalloc works

7. what is thread.

**/\* Globaledge telephonic interview on 15-02 \*/**

1.how kmalloc works,and its flags.

2.difference between process and thread.

3.what is kernel thread.

4.what are bottomhalf techniques.

5.what is process.

**/\* MBbit wireless on 29-01 face to face and skype \*/**

1.what is interrupt contex and task contex.

**/\* qualcomm telephoic interview oon 23-02\* /**

1.what are semaphore and mutex how they works?

2.what is spinlock how it is works?

**/\* unik system on 07-02 \*/**

1.how uboot works,and booting process of a system?

2.how to initialize kernel into board.

3.what is atomic operation.

4.what is bottom half.how it is works.types of bottom halfs.

5.how interrupts works.

6.different types of drivers.explain them.

7.how to compile kernel.

8.frame formate of projects.

9.what is device tree?how it is works?

10.what is probe?how it is work?

11.what is interrupt latency?how do you over come it?

12.how system crashesh?

13.what type of scheduling algarithm is there in general system?

14.scull of character driver.

15.How to uboot the files and creating the zimage?

THINCI ? ARICENT ..............>

1.what is malloc() and allocate memory for arr[3][3] using double pointer p\*\* ?

2.what is callback function in qt ?

3.Program for finding number of ones in binary number using bitwise operations.

4.How resources are shared in programs

5.what is MVC in Qt?

6.Drawbacks of friend functions ?

7.Name of macro which is created for timers ?

8.What is singleton in software ?

9.Explain concept of inheritance in qt GUI ?

10.what is difference between callback and signal and slots ?

11.what is difference between system firmwar and device firmware ?

12.How to communicate between two applicaitons

13.semphores and mutex in qt .

14.why is beautiful soup used in python ?

15.how to get process pid of parent and child process ?

16.How to delete certain files with similar extensions ?

17.What is initializer list and what are its advantages ?

18.Name some applications of references in c++ ?

19.How to insert node in linked list ?

20.what is macro used for structure padding ?

21.how Qt threads works in qtcreator ?

22.what is watchdog timer use in embedded systems ?

23.How mutex works ?

24.How tupples are different from arrays ?

25.How are numpy advantage over arrays ?

26.can reference be NULL ?

27.knowledge about version control systems ?

28.differencce between dynamic and static libraries ?

29.how memory allocation done during c compilation stages ?

30.commmand to know current running progress other ps -aux ?

31.how are storage classe allocated in memory for different lifespan a?

32.How braches are commited in git ?