Topics that I have covered till my interview preparation

C Language

1. Basics

Keywords and variables

Library Functions like printf(), scanf()….

Statically typed – we need to declare variables before using

Examples: c, c++

Dynamically typed – we don’t declare variables before using

Examples: python

Linux

Linux level -1

1. Basics and GNU toolchain
2. Shell scripting
3. Linker and library
4. File system
5. Process management
6. Threads
7. IPC and socket
8. Kernel programming
9. Module programming
10. Device drivers
11. System calls
12. Interrupt handling
13. Kernel threads

Linux level – 2

1. Introduction - 1
2. Boot sequence - 1
3. Uboot own built images - 1
4. Kernel own built images - 1
5. Uboot GPIO - 1
6. LAB
7. Device tree source code - 1
8. Lab experiments up to 25
9. Kernel GPIO
10. Yocto
11. Root file system
12. User space debugging
13. Kernel space debugging
14. Yocto communication
15. I2C intro
16. I
17. I
18. I2C uboot
19. I2C Kernel
20. I2C frame work
21. Project
22. Final

C – Language

1. Basics

Microcontrollers

Protocols