MultiProcessing

1. Where are the function arguments and variables stored?
2. Where are global variables stored?
3. What are the resources assigned to a process?
4. How are processes identified?
5. Who selects the process for execution?
6. What are the guiding principles used by scheduler to select a process?
7. List atleast 5 scheduling algorithms
8. What do you mean by single and multi core?
9. How many processes can a N core CPU run parallely?
10. How is a program executed internally? What are the steps involved?
11. What are the various attributes of a process? Mention atleast one command to view process attributes
12. What are the different states of a process?
13. How do we run multiple processes using a single CPU?
14. What do you mean context switch? When does it happen?
15. What does the term concurrency and parallelism mean?
16. Why do we need to assign priorities to processes?
17. Which command is used to view process status in realtime?
18. Which command is used to view process tree with pid details?
19. Which command is used to get pid, ppid and process group id?
20. Which process starts all processes in the system?
21. How to create a new process from within a program?
22. Where the process information maintained? What is the name of the data structure used to hold process information?
23. What happens on exit()?
24. What is the difference between exit() and \_exit()? Which will cause quick exit?
25. Does \_exit close open fds?
26. Does \_exit flush open streams?
27. What happens when you press Ctrl+C?
28. What happens when you press Ctrl+Z?
29. What is the use of an fd? How is it different from FILE \*?
30. How many fd’s are created for every process? What are they?
31. Name the call to get an fd for a file
32. If a process creates a child sub process, how can it detect exit of a child?
33. Which process reaps the exit code of orphan child?
34. What all does a child inherit from its parent?