**Linux Basic Questions.**

1. **What is Operating System? History of OS? Different types of OS? Difference between 32 bit and 64 bit?**
2. **Difference between Linux and windows?**
3. **What are difference between linux and unix ?**
4. **Explain various distributions of Linux? Explain their Pros and Cons?**
5. **What is Data Center? What are the various factors considered to plan a Data center? Discuss about few important components in Data Center?**
6. **What is RAM, ROM, BIOS, POST, KERNEL?**
7. **What is Virtualization? Discuss about Vmware/Virtualbox?**
8. **What are the Hardware requirements for building a server?**
9. **What is a server? How does it differ from Desktop?**
10. **Explain various steps involved in the Boot Process?**
11. **What is agile methodology?**
12. **What is waterfall and discuss the advantages and disadvantages?**
13. **What is SDLC?**
14. **What are the daily duties of an Administrator?**
15. **What is a repository in GIT/TFS?**
16. **What is an active directory in Windows?**
17. **What is LDAP in Linux?**
18. **What is Devops?**
19. **Explain about different phases DEVELOPMENT/TESTING/PRODUCTION?**
20. **What is Root and Sudo?**
21. **What is Automation in regards to Linux?**
22. **Discuss about GREP Command in Linux? Provide 10 Use Case Scenarios.**
23. **Discuss about FIND Command in Linux? Provide 10 Use Case Scenarios?**
24. **Discuss about SED Command in Linux? Provide 10 Use Case Scenarios?**
25. **Discuss about various commands used in “VI EDITOR”? Explain each case with individual scenarios?**
26. **Discuss about AWK Command in Linux? Provide 10 Use Case Scenarios?**
27. **Discuss about various commands to give appropriate permissions in Linux?**
28. **Discuss various scenarios of how to create users and groups**
29. **Explain** **the command “ls” and discuss about all the columns displayed during “ls –a”?**
30. **Network basics and Linux Network commands( ip,ipv4,ipv6,subnet masking, ifconfig, netstat, etc)**
31. **Linux Performance commands.**
32. **Explain different package managers in Linux (APT-GET/RPM/YUM)**
33. **Ps commands(process commands) :**
34. **SSH Concept**
35. **LVM: (Understand basic Disk structure)**
36. **What is RAID and explain different types of RAID (RAID-0, RAID-10. RAID-1 etc…)**
37. **Bonding and interfaces in a machine.**
38. **Explain file system in a linux distribution.**
39. **What are environment variables in linux**
40. **Basic Shell scripting. (bash/ksh/eksh/sh environments)**