**Linux and Scripting**

* Browse through OS
  + **What info does dmesg output contain – read the config of all h/d and display the error msg in it.**
  + **How do I find cpu model - lscpu**
  + **list network and storage components - ifconfig**
* Process analysis
* **How do we find resource consumption - svmon**
* **List processes run by a user – lsof –I | grep username**
* **What is ‘core’ dump file – dump file created during the server crash which is used to analyse why the server got crashed.**
* Networking
* **List all opened ports – netset -tulnp**
* **List routing table – iptable -t**
* **How to get network latency between two servers – ethtool**
* Storage
  + **What is minimum size of a file on disk – 2gb**
  + **How do you find disk usage of a file – du -h**
  + **How to check file integrity - chksum**
* Scripting
* **Sum up values of a field in a csv file**
* **Look for ‘error’ in /var/log/messages across 4 servers**
* **Find most common error code in web server access logs**
* **How can we implement error handling in shell script**

**System troubleshooting**

* **Give complex system troubleshooting example and how you solved it (important question)**
* **Cannot ping our servers from customer laptop**
* **Deleted log file but disk is still getting full**
* **Customer says our web application is running very slow**

**UI**

* **Have you used developer tools in browser**
* **How do we find server response time for a http request**
* **Why is https considered more secure than http**
* **We upgraded server code but browser shows old website**

**Database**

* **What is a primary key**
* **What does ‘relationship’ mean in db context**
* **What does ‘join’ mean in a database**

**Distributed systems**

* **What does ‘shard’ or ‘partition’ mean**
* **What’s the simplest way to make sure a service is always available**