Learning Linux

1) Linux Operating system Directories and responsibilities

2) List the directories and uses

3) Linux basic commands
         List commands and use with output

4) Ho

5) How start the app while server start

6) How to start/stop the application
List the commands

7) What is IPTables

8) what is SELinux

9) How to find process and id and port numbers

10) How to kill the process with ID`s

11) Difference b/w ssh and telnet

12) List the Port numbers of below services

Sshd,Sftp or
Ssh   -- 22
Httpd(Apache)   -- 80 , 443, 488, 8008 , 8009 or 8443
Tomcat   -- 8080
Ftp   -- 21,20
Smtp   -- 25
Dns   -- 53
Mysql   -- 3306
Rdp   -- 3389
Solr   -- 9090 instead of 8080
Cassandra   -- default 7199 . random ports 57311 & 57312

12) Define the file permissions in linux

Centos Server Apps

Apache

How to start and stop Apache
Config file location
Document directory
Log location and file name

Tomcat

How to start and stop
Config file and location
Use Context file
What is WAR file
How to deploy WAR file by Manual/GUI-Manager
Document directory
Log location and file name

Crontab

What is crontab
How to configure cron job
Configure every one hour

Mysql

Basic queries
How to dump the schema
How to dump schema with procedures,function,triggers.
How to restore the dump

NodeJS

what is node JS
How to start/stop the node

AWS

What is AWS and List AWS Service with uses

EC2

How to launch the new windows/linux instance
List the instance launching option

What is Tags/AMI/Volume/Snapshots
How to take AMI

How to launch instance from AMI

What is VPC
What is Security Group
How to enable the IP access in SG

RDS(Relational Database Service)

How to launch the new RDS instance
How to take snapshots
How to launch instance from snapshots

S3

Whats is S3
How to create folder and upload files

IAM

How to create the users with access key and use of access key
How to give permission into users
Whats roles

Route 53

What is R53
How configure the Domain names with IP

SCM(Source Code Management)

What is Codecommit/Git/Github
List Git commands and use

Jenkins

What is Jenkins
How to configure the Deployment Jobs
How to build the jobs
How to change the Job Configurations