

Mandatory Questions:

1. Import new operating system using ISO file. Use below values for server & client.
 - a. Server machine:
 - i. Hostname: **server.ltim.in**
 - ii. IP Address: **192.168.10.10/24**
 - iii. DNS: **192.168.10.10**
 - iv. SELinux: **Disabled**
 - v. Firewall: **Off**
 - b. Client machine:
 - i. Hostname: **client.ltim.in**
 - ii. IP Address: **192.168.10.11/24**
 - iii. DNS: **192.168.10.10**
 - iv. SELinux: **Disabled**
 - v. Firewall: **Off**
 - c. Ping both server and client machines using IP address.

Select any 8 questions from the following:

1. Execute appropriate commands to display below values on terminal:
 - a. 1st process of Linux OS.
 - b. Default shell for root user.
 - c. List all mounted partitions using terminal with their filesystem types.
 - d. Current runlevel
2. Create a user with your last name and make it sudo user with admin privileges (like Networking, Storage, Services & Visudo command) & verify after you login to this user.
3. Add a group LTIB371 and add 2 users (user1 & user2) and list all the users that are present in the group.
4. Create a directory (/notifications) and provide access of HR and Accounts groups (create if not available) with read & write access for HR & read only access for Accounts team.
5. Create an LVM partition using EXT4 filesystem using 2 HDDs of 5GB each. Mount this LVM partition on "/lvm".
6. Create a folder /MyNFS on server machine with few files within it and access it on client machine using temporary on "client machine" only using READ-ONLY mode.
7. On any linux machine, attach "OfflinePackage.iso" file and install FTP, Telnet & Telnet server packages using RPM package manager.
8. Ping server and client machines using linux BIND server (do not use /etc/hosts file for this question).
9. Create a static website and access it using URL www.ltimindtree.com. Use below HTML page for your reference.

```
<html>
<body bgcolor='pink'>
<h1 align="center">Hello Batch 37.1</h1>
<marquee>display your name</marquee>
</body>
</html>
```

10. Verify if the required packages are installed to work with FTP, install if it's not installed. Use the following banner line while login in "Welcome to LTI Batch 37.1 - BBSR". Allow only your last name (created in previous question) to access the FTP server and perform upload and download of any file from FTP server.
11. Send and receive email using Postfix & dovecot and verify it.