# **Task 01**

**Scenario:**

**You are working as a System Administrator in an organization, and your manager has assigned you some tasks. The tasks are given below:**

1. Make a directory in the **root** directory and named it as ***Countries***.Create **FIVE** files with any country name in the **countries** directory and write the capital of the specific country in the files without opening the files.
2. Copy the ***Countries*** directory along with files inside it and paste it in ***tmp*** directory.
3. Now you are in ***tmp*** directory, let’s archive the **FIVE** files of countries directory that you have copied and reduce its size then move the archived-compressed file to the **root** directory & bring it in the original form.
4. Lastly, remove all the directories and files which are being created.
5. A file called **Employees** has been sent to you by your manager, he wants the details of employees whose name are **Asad** & **asad**. You are tasked to provide him details as soon as possible.
6. Now a trainee has joined your team, and he wants to know from how long his system has been running & CPU details of his system. You are tasked to help him in this.

# **Task 02**

**Scenario:**

**You are working as a Linux Administrator in an organization, and your manager has assigned you some tasks. The tasks are given below:**

1. Create a user **tom** & group **developers.**
2. Create a user **boss** and add him in **sudo** group. Also add him in **developers** group.
3. A new employee **bob** has joined your team, create a user of his name and add him in the **developers** group.
4. Create a file called **production** in **boss’s** **home** directory**,** add some data in file and only allow **developers** to read & write this file.
5. User **john** is a **project manager** and lies in other users category, allow him to only read the contents of **production** file by accessing the file from **john home** directory.
6. Change the ownership of **production** file to **tom**.
7. Now modify the by-default group of **tom** to **developers** only.
8. Modify the **production** file permission, only allow owner & group has full access to it.

# **Task 03**

**Scenario:**

**You are working as a Cloud Engineer in an organization and you are tasked to run Nginx using Shell Scripting. Instructions are given below:**

1. First update your system
2. Install nginx using**apt** package manager
3. Check the status of nginx
4. Stop the nginx
5. Remove the nginx using **autoremove** with **apt**
6. Check the version of nginx