

# Computer Network Lab - 02

Write down the commands that are relevant to each scenario.

## 1. Managing a New Employee's Account

A new employee, **Alex**, has joined your company, and you need to set up their account. Perform the following tasks:

- Create a new user account for **Alex** with a home directory.
- Set a password for **Alex** to allow them to log in.
- Add **Alex** to the **developers** group so they can access shared resources.
- Check the list of all users to confirm Alex's account was created.

## 2. Troubleshooting Network Issues

You are experiencing network connectivity issues on your system. Perform the following steps to diagnose the problem:

- Check the **IP address** of your network interface.
- Restart the network service to refresh the connection.
- List all **open network ports** to check active connections.
- View **active firewall rules** to see if any rules are blocking access.

## 3. Securing a User Account

A user named **John** has left the company, and you need to secure his account. Perform the following actions:

- Lock **John's** account to prevent further logins.
- Find all files owned by **John** on the system.
- Remove **John** from the **admin** group.
- Delete **John's** account along with his home directory.