

## 1. Troubleshooting:

- Use the `who` command to identify the currently logged-in users on the system.

Command: `who`

Screenshot:

```
atef@atef-VirtualBox:~$ who
atef      tty7      2024-08-31 21:58 (:0)
atef@atef-VirtualBox:~$
```

## 2. User Management:

- Create a new user named `developer1` using the `useradd` command.

Command: `sudo useradd developer1`

Screenshot:

```
atef@atef-VirtualBox:~$ sudo useradd developer1
[sudo] password for atef:
```

- Set a password for the newly created user using the `passwd` command.

Command: `sudo passwd developer1`

Screenshot:

```
atef@atef-VirtualBox:~$ sudo passwd developer1
New password:
Retype new password:
passwd: password updated successfully
atef@atef-VirtualBox:~$
```

- Create a new group named `development` using the `groupadd` command.

Command: `sudo groupadd development`

Screenshot:

```
atef@atef-VirtualBox:~$ sudo groupadd development
atef@atef-VirtualBox:~$
```

- Add the user `developer1` to the `development` group using the `usermod` command.

Command: `sudo usermod -aG development developer1`

Screenshot:

```
atef@atef-VirtualBox:~$ sudo usermod -aG development developer1
atef@atef-VirtualBox:~$
```

- Check and display the group memberships of the user `developer1` using the `groups` command.

Command: `groups developer1`

Screenshot:

```
atef@atef-VirtualBox:~$ groups developer1
developer1 : developer1 development
atef@atef-VirtualBox:~$
```