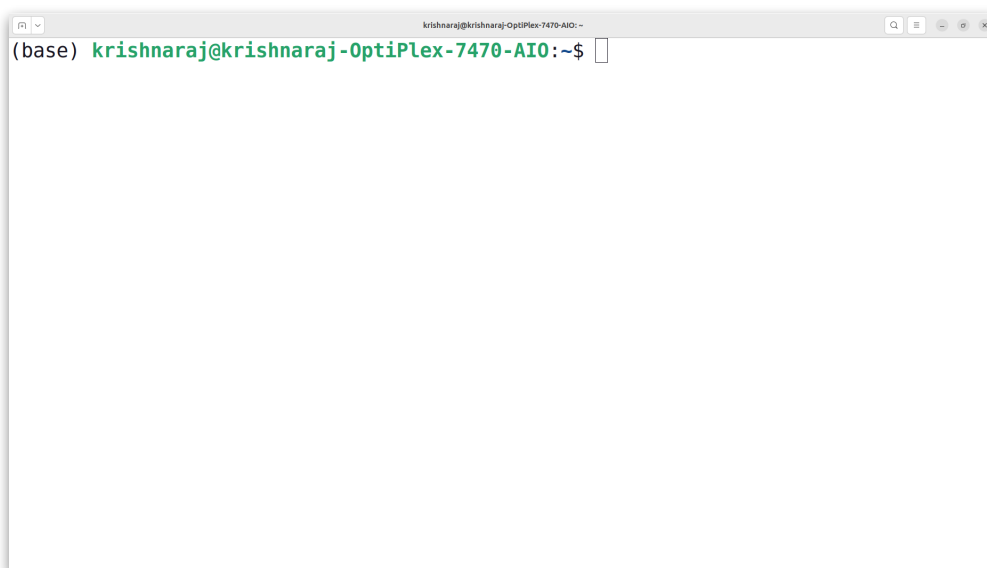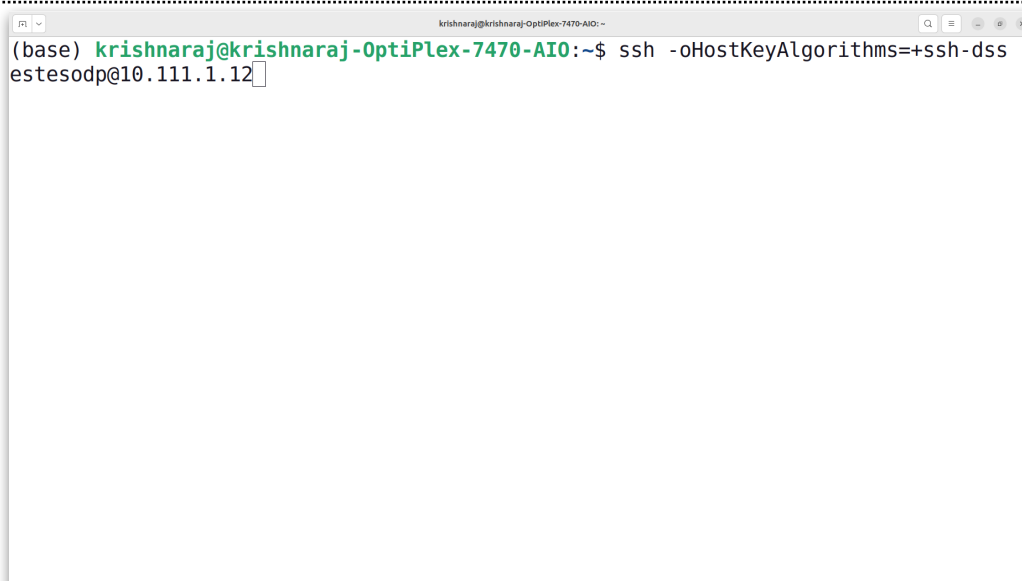# LINUX BASICS

1. Open terminal application in your computer

2. Connect to the remote server to perform DFT calculations:

```
ssh -oHostKeyAlgorithms=+ssh-dss <username>@10.111.1.12
```

- Enter the password:

    ```
    estesodp@10.111.1.12's password:
    ```

3. Create new folder in <your_name> where you will store all your files:

    ```
    mkdir <your_name>
    ```

    ```
    [estesodp@dendrite ~]$ mkdir kartik_aryan
    ```
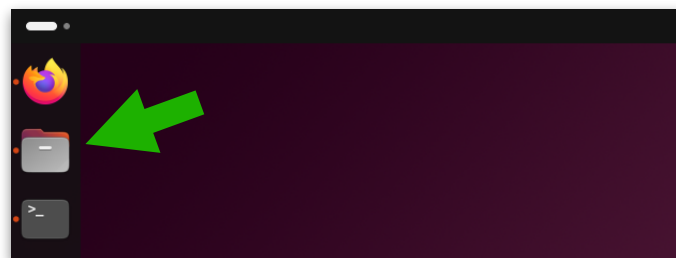
- To list all the contents in the current folder you are in, type command "ls":

    ```
    [estesodp@dendrite ~]$ ls
    examples        NiO                         vaspkit.1.5.1.linux.x64.tar.gz
    kartik_aryan  vaspkit.1.5.1.linux.x64  vasp_pot
    [estesodp@dendrite ~]$
    ```
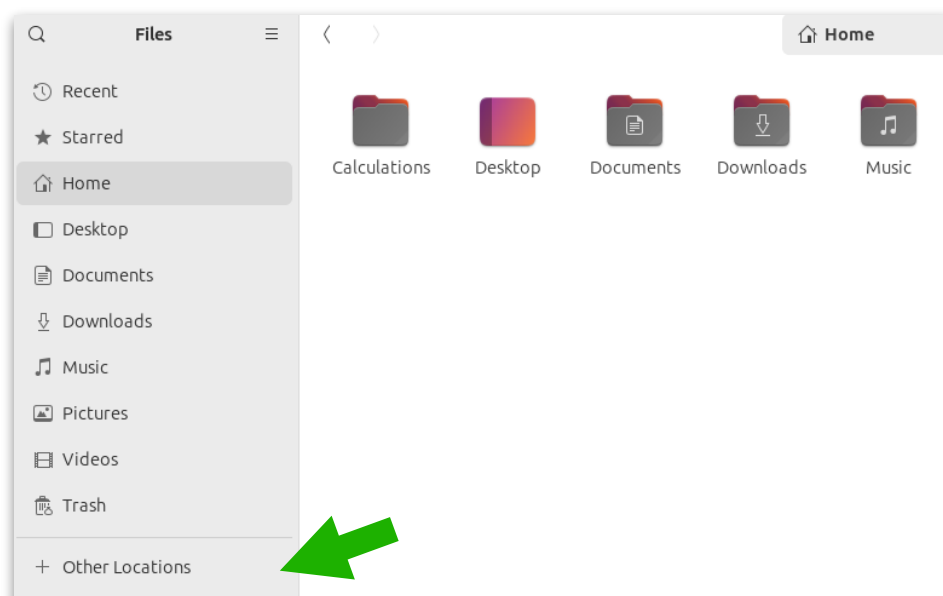
- Move the newly created folder <your_name> using command "cd" as shown below:

    ```
    [estesodp@dendrite ~]$ cd kartik_aryan
    ```
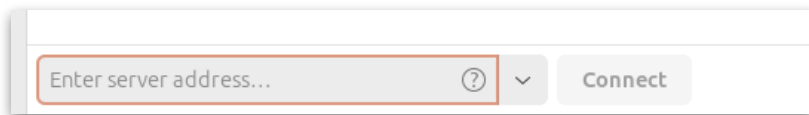
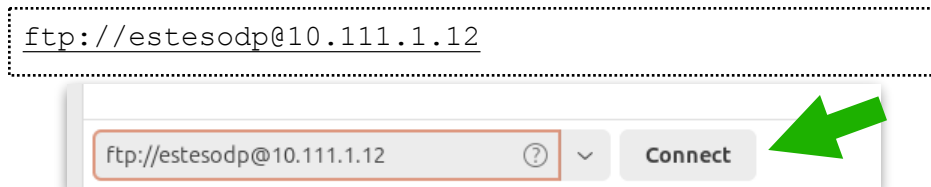4. Create an FTP connection to the server from your local computer:

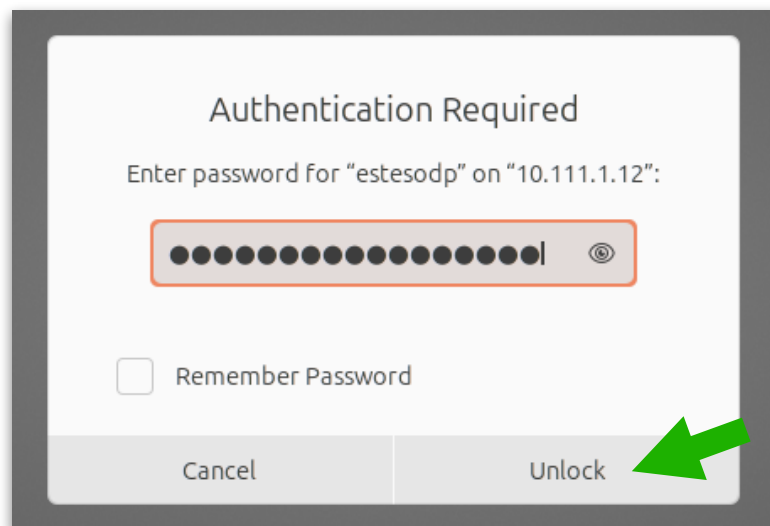- Click on the **Other Locations** options on the side panel

- This will open a small window at the bottom of the screen for typing the server details:
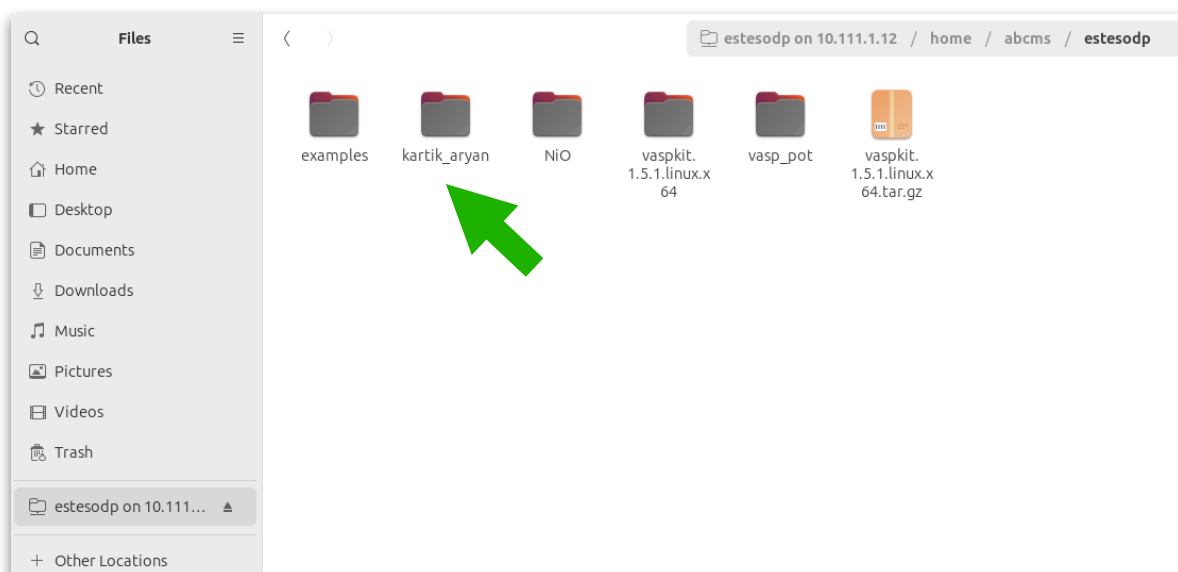

- Type the server details as below:

```
ftp://estesodp@10.111.1.12
```


- Enter password in the new authentication window:

5. Navigate to the <your_name> folder using user interface:

6. Right click in the empty window to create a new folder for storing calculations on Silicon: