# **B Linux Shell Commands**

# 1. File and directory commands

- a. ls, ls -l
- b. cd, cd .., cd /, cd ~
- c. mkdir
- d. cat (displaying, creating, appending options)
- e. cp
- f. mv
- g. chmod
- h. wc
- i. find

# a. ls

```
student@hpc-HP-ProDesk-600-G5-PCI-MT:~$ ls
                                   examples.desktop
3vqq10.pnq
                                                         Music
                                   face1.py
                                                         'Pantech Solutions'
                                                          Pictures
a500.png
                                   Figure_1.png
                                   Figure_2.png
                                                         Public
                                   le30loss.png
alex2.py
                                   lenete30acc.png
                                                          Templates
                                   lenete30loss.png
                                                          Untitled1.ipynb
alex3.py
Anaconda3-5.0.1-Linux-x86_64.sh
                                                          Untitled.ipynb
AnacondaProjects
                                                          vgg10l.png
                                   lossalex20.png
Documents
                                                          workshop
Downloads
                                   mnist_example.ipynb
```

### b. ls -l

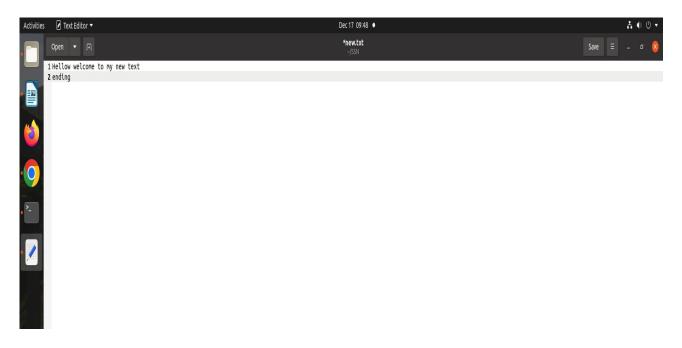
```
-PCI-MT:~S
otal 539068
rw-r--r--
              student student
                                           Jan
                                                    2020
гw-г--г--
                                     38998
                                           Feb
                                                    2020
              student student
              student
                       student
                                     34005
                                           Jan
                                                30
                                                    2020
                                                           acc1.png
accalex150.png
              student student
                                     40418
                                           Jan
                                                28
                                                    2020
                                     64114 Feb
student student
                                                 1
                                                    2020
                                     40664 Feb
rw-r--r--
            1 student student
                                                    2020
rw-r--r--
            1 student student
                                     38131
                                           Jan
                                                28
                                                    2020
                                           Feb
                                      2218
rw-r--r--
            1 student student
                                                    2020
                                                           alex2.py
гw-г--г--
              student student
                                      3280 Feb
                                                    2020
                                                           alex3.py
           24
              student
                       student
                                      4096
                                                    2020
                                           Jan
rw-rw-r--
              student student 550796553
                                           Jan
                                                    2020
                                                           Anaconda3-5.0.1-Linux-x86_64.sh
drwxrwxr-x
              student student
                                      4096 Mar
                                                 9
                                                    2022
                                                   10:22
Irwxrwxrwx
              student student
                                      4096 Nov
                                                30
            8
              student student
                                     4096
lrwxr-xr-x
                                           Nov
                                                 1
                                                   10:09
rwxr-xr-x 22
              student student
                                     20480
                                           Dec
                                                   08:46
гw-г--г--
              student student
                                      8980
                                           Jan
                                                    2020
                                                           examples.desktop
Маг
              student
                                                    2022
                       student
                                                           face1.py
                                                           Figure_1.png
Figure_2.png
              student
                       student
                                     22822
                                           Jan
                                                    2020
              student student
                                     38663 Jan
                                                31
                                                    2020
            1 student student
                                     21898 Jan
                                                30
                                                    2020
                                     45337 Feb
rw-r--r--
            1 student student
                                                19
                                                    2020
                                                           le30loss.png
гw-г--г--
                                    32794 Feb
47485 Feb
                                                19
            1 student student
                                                    2020
                                                           lenete30acc.png
lenete30loss.png
rw-r--r--
            1 student student
                                                19
                                                    2020
              student
                                     34248
                                          Feb
                       student
                                                    2020
rwxr-xr-x
                                     4096
                                                    2020
              student
                       student
                                           Jan
                                                22
                                                           loss1.png
lossalex150.png
              student
                       student
                                     33035
                                           Jan
                                                28
                                                    2020
rw-r--r--
            1 student student
                                     50760 Feb
                                                    2020
rw-r--r--
              student student
                                     27286 Feb
                                                    2020
                                                    2020
rw-r--r--
            1 student student
                                    33815
                                           Jan
                                                28
гw-г--г--
            1 student student
                                   225987
                                                           mnist_example.ipynb
                                           Feb
                                                20
                                                    2020
              student student
rwxr-xr-x
                                     4096
                                           Jan
                                                    2020
                                                   11:22
lrwxrwxr-x
              student
                       student
                                      4096
                                           Nov
              student
                       student
                                     20480 Nov
                                                30
                                                   09:29
rwxr-xr-x
              student student
                                      4096
                                           Jan
                                                    2020
|rwx-----
            4
              student student
                                      4096 Oct
                                               31
                                                   15:21
            1
              student student
                                     36514
                                           Jan
                                               28
                                                    2020
                                     33989 Jan
              student student
rw-r--r--
                                                    2020
                                               28
rwxr-xr-x
              student student
                                     4096
                                           Jan
                                                    2020
rw-rw-r--
              student student
                                      2416 Aug
                                                   11:41
                                                           Untitled1.ipynb
              student
                                      4096
                                                28
                                                   10:38
FWXFWXF-X
                       student
                                           Jun
rw-rw-r--
              student
                       student
                                     22869
                                           Jul
                                                 6
                                                   11:40
                                                           Untitled.ipynb
              student student
                                     38296
                                           Jan
                                                    2020
              student student student
                                      4096
                                           Jan
                                                    2020
                                      4096
```

#### c. mkdir

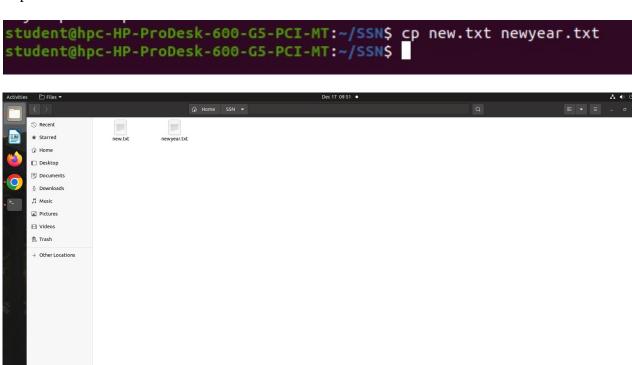
```
tudent@hpc-HP-ProDesk-600-G5-PCI-MT:~$ ls
                               Anaconda3-5.0.1-Linux-x86 64.sh examples.desktop le30acc.png
                                                                                                                                                                Untitled.ipynb
3vqq10.pnq
                accalex20.png
                                                                                                     loss1.png
                                                                                                                                              sskk.png
                                                                                                                         'Pantech Solutions'
64loss500.png
                acce5.png
                                                                face1.py
                                                                                  le30loss.png
                                                                                                     lossalex150.png
                                                                                                                                              ssk.png
                                                                                                                                                                vgg10l.png
                alex2.pv
                                                                Figure 1.png
                                                                                  lenete30acc.png
                                                                                                     lossalex20.png
a500.png
acc1.png
                                                                                                                                              Untitled1.ipynb
                                                                                  lenete30loss.png
                                                                                                     losse5.png
                alex3.py
                                                                1500.png
                                                                                                     mnist example.ipynb
                                                                                                                                              'Untitled Folder'
tudent@hpc-HP-ProDesk-600-G5-PCI-MT:~$ mkdir SSN:
student@hpc-HP-ProDesk-600-G5-PCI-MT:~$ ls
                               Anaconda3-5.0.1-Linux-x86 64.sh examples.desktop le30acc.png
                                                                                                     loss1.png
                                                                                                                                              sskk.png
                                                                                                                                                               'Untitled Folder'
3vgg10.png
                accalex20.png
64loss500.png
                                                                face1.py
                                                                                  le30loss.png
                                                                                                     lossalex150.png
                                                                                                                         'Pantech Solutions'
                                                                                                                                                               Untitled.ipynb
                                                                                                                                              ssk.png
                                                                                  lenete30acc.png
a500.png
                alex2.py
                                                                                                                                                               vgg10l.png
                                                                                  lenete30loss.png
acc1.png
                alex3.py
                                                                                                     mnist example.ipynb snap
                                                                                                                                              Untitled1.ipynb workshop
```

d. cat (displaying, creating, appending options)

```
student@hpc-HP-ProDesk-600-G5-PCI-MT:~$ cd SSN
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/SSN$ cat>new.txt
Hellow welcome to my new text
ending
^Z
[2]+ Stopped cat > new.txt
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/SSN$
```



# e. cp

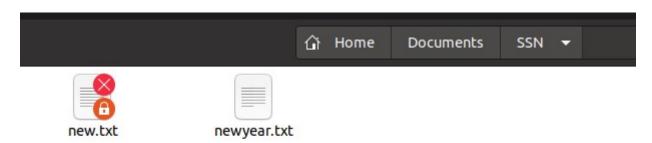


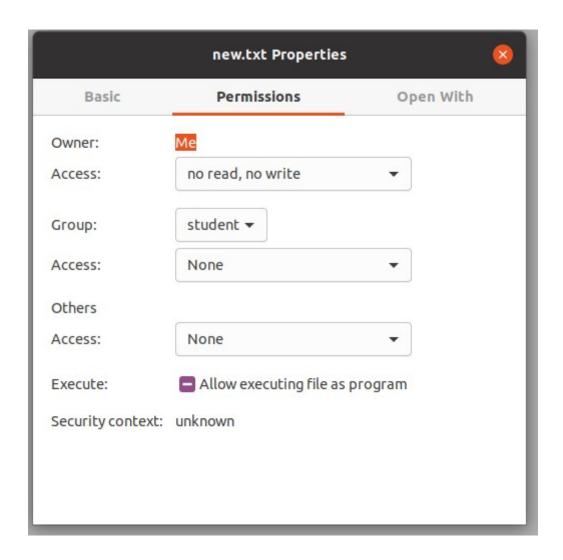
### f. mv

```
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/SSN$ cd -
/home/student
student@hpc-HP-ProDesk-600-G5-PCI-MT:~$ ls
               accalex20.png Anaconda3-5.0.1-Linux-x86 64.sh examples.desktop le30acc.png
                                                                                                   loss1.png
                                                                                                                                            sskk.png
                                                                                                                                                             Untitled.ipynb
                                                               face1.pv
                                                                                 le30loss.png
                                                                                                                       'Pantech Solutions'
                                                                                                                                           ssk.png
               alex2.py
                                                                                 lenete30acc.png
               alex3.py
                                                                                 lenete30loss.png
                                                                                                   losse5.png
                                                                                                   mnist example.ipynb snap
                                                                                                                                            Untitled1.ipynb workshop
tudent@hpc-HP-ProDesk-600-GS-PCI-MT:-$ mv SSN/ ~/Documents/
student@hpc-HP-ProDesk-600-G5-PCI-MT:-$ cd Documents
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents$ ls
tudent@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents$
```

### g. chmod

```
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ chmod 0 new.txt
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ wc new.txt
wc: new.txt: Permission denied
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ chmod 1 new.txt
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ wc new.txt
wc: new.txt: Permission denied
```





### h. wc --> Number of lines, words, characters

```
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ chmod 0 new.txt
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ wc new.txt
wc: new.txt: Permission denied
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ chmod 1 new.txt
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ wc new.txt
wc: new.txt: Permission denied
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ chmod 001 new.txt
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ wc new.txt
wc: new.txt: Permission denied
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ chmod 010 new.txt
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ wc new.txt
wc: new.txt: Permission denied
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ chmod 011 new.txt
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ wc new.txt
wc: new.txt: Permission denied
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ chmod 100 new.txt
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ wc new.txt
vc: new.txt: Permission denied
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ chmod 101 new.txt
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ wc new.txt
wc: new.txt: Permission denied
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ chmod 110 new.txt
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ wc new.txt
wc: new.txt: Permission denied
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ chmod 111 new.txt
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ wc new.txt
wc: new.txt: Permission denied
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ wc new.txt
2 7 37 new.txt
```

### i. find

```
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ cd -
/home/student/Documents
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents$ find . -name "*.py"
/pythonpr/helloworld.py
/Dhivya/Colab Notebooks-20221007T043252Z-001/Colab Notebooks/simple linear regression.py
./Dhivya/EEG Bird/code/EEG feature extraction.py
./Dhivya/EEG Bird/code/EEG generate training matrix.py
./Dhivya/EEG Classification-master/Feature selection.py
./Dhivya/EEG Classification-master/Build and test classifier.py
/Dhivya/EEG_Classification-master/EEG_feature_extraction.py
/Dhivya/EEG Classification-master/main.py
./Dhivya/EEG Classification-master/EEG generate training matrix.py
./Dhivya/boilerplate-rock-paper-scissors-master/RPS.py
./Dhivya/boilerplate-rock-paper-scissors-master/RPS game.py
./Dhivya/boilerplate-rock-paper-scissors-master/test_module.py
/Dhivya/boilerplate-rock-paper-scissors-master/main.py
./Dhivya/Freecodecamp/freeccknn.py
./Dhivya/Course Work/Machine Learning/simple linear regression.py
./Dhivya/Spider project/EEGLinear.py
./Dhivya/Spider project/Pear1.py
/Dhivya/Spider project/EEG_feature_extraction.py
./Dhivya/Spider project/EEGLogistic.py
./Dhivya/Spider project/EEG_featureextraction.py
./Dhivya/EEG aramado18/src/test1.py
./Dhivya/EEG aramado18/src/generateTrainingMatrix.py
./Dhivya/EEG aramado18/src/armada18eeg.py
```

# 2. System related commands

- a. who
- b. whoami
- c. pwd
- d. date
- e. man
- f. echo
- g. cal
- h. bc
- a. who

```
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents$ who
student :1 2022-12-17 08:33 (:1)
```

- b. whoami
- c. pwd
- d. date

```
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents$ whoamt
student
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents$ pwd
/home/student/Documents
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents$ date
Saturday 17 December 2022 10:19:58 AM IST
```

```
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents$ man
What manual page do you want?
For example, try 'man man'.
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents$ man man
```

```
Actions | Decirition | Deciriti
```

#### f. echo

```
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents$ echo
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents$ echo
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents$ echo Dhivya
Dhivya
```

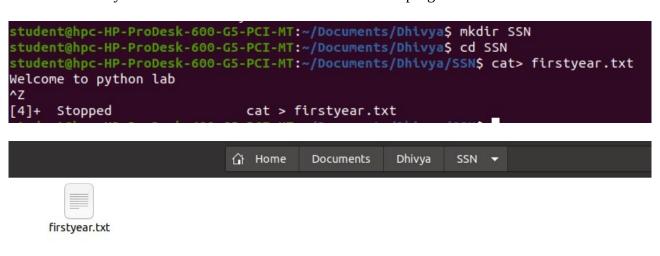
```
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents$ echo "35+40"
35+40
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents$ echo 35+40
35+40
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents$ echo Dhivya "Dhiv"
Dhivya Dhiv
```

# g. cal

# h. bc – binary calculator

```
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents$ bc
bc 1.07.1
Copyright 1991-1994, 1997, 1998, 2000, 2004, 2006, 2008, 2012-2017 Free Software Foundation, Inc.
This is free software with ABSOLUTELY NO WARRANTY.
For details type `warranty'.
9+8
17
5-9
-4
```

3. Create a new directory named "SSN", a subdirectory "BE" under SSN and create a file named "firstyear.txt" and write about the SSN orientation programme.





4. Rename the firstyear.txt file as orientation.txt

```
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN$ mv firstyear.txt orientation.txt
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN$ ls
orientation.txt
```

5. Give all permissions to user and only reading permission to others

```
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ chmod 0 new.txt
tudent@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ wc new.txt
wc: new.txt: Permission denied
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ chmod 1 new.txt
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ wc new.txt
wc: new.txt: Permission denied
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ chmod 001 new.txt
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ wc new.txt
wc: new.txt: Permission denied
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ chmod 010 new.txt
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ wc new.txt
wc: new.txt: Permission denied
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ chmod 011 new.txt
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ wc new.txt
vc: new.txt: Permission denied
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ chmod 100 new.txt
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ wc new.txt
wc: new.txt: Permission denied
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ chmod 101 new.txt
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ wc new.txt
wc: new.txt: Permission denied
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ chmod 110 new.txt
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ wc new.txt
wc: new.txt: Permission denied
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ chmod 111 new.txt
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ wc new.txt
wc: new.txt: Permission denied
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/SSN$ wc new.txt
2 7 37 new.txt
```

6. Create a file " AboutMe.txt". Write about yourself and your ambitions.

```
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN$ cat> AboutMe.txt
My ambitions became a Animation Director
```

7. Create two directories namely "dept x" (x being your dept name), "SEC X" inside "SSN" folder.

```
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN$ mkdir dept_CSE, SEC_Ph.D
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN$ ls
AboutMe.txt dept_CSE, orientation.txt SEC_Ph.D
```

8. Create a file named "dept.txt" and write about your department in that file.

9. Copy the file named "first\_year.txt" to "SEC\_X" folder.

```
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN$ cd SEC_Ph.D
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN/SEC_Ph.D$ cat>first_year.txt
Welcome to my class
^Z
[7]+ Stopped cat > first_year.txt
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN/SEC_Ph.D$ ls
first_year.txt
```

10. Move the file "dept.txt" to "SEC\_X" folder.

```
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN/dept_CSE,$ mv dept.txt ~/Documents/Dhivya/SSN/SEC_Ph.D
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN/dept_CSE,$ cd -
/home/student/Documents/Dhivya/SSN
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN$ cd SEC_Ph.D
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN/SEC_Ph.D$ ls
dept.txt first year.txt
```

11. Enter into folder "SEC\_X" and list the folder content.

```
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN/dept_CSE,$ mv dept.txt ~/Documents/Dhivya/SSN/SEC_Ph.D
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN/dept_CSE,$ cd -
/home/student/Documents/Dhivya/SSN
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN$ cd SEC_Ph.D
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN/SEC_Ph.D$ ls
dept.txt first year.txt
```

# 12. Move to "SSN" folder and list all the contents.

```
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN/dept_CSE, $ cd -
/home/student/Documents/Dhivya/SSN
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN$ cd SEC_Ph.D
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN/SEC_Ph.D$ ls
dept.txt first_year.txt
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN/SEC_Ph.D$ mv dept.txt firstyear.txt ~/Documents/Dhivya/SSN
mv: cannot stat 'firstyear.txt': No such file or directory
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN/SEC_Ph.D$ mv SEC_Ph.D ~/Documents/Dhivya/SSN
mv: cannot stat 'SEC_Ph.D': No such file or directory
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN/SEC_Ph.D$ mv dept.txt ~/Documents/Dhivya/SSN
mv: cannot stat 'dept.txt': No such file or directory
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN/SEC_Ph.D$ cd -
/home/student/Documents/Dhivya/SSN
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN$ ls
AboutMe.txt dept_CSE dept_CSE, dept.txt orientation.txt SEC_Ph.D
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN/SEC_Ph.D$ mv firstyear.txt ~/Documents/Dhivya/SSN
mv: cannot stat 'firstyear.txt': No such file or directory
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN/SEC_Ph.D$ cd -
/home/student/Documents/Dhivya/SSN
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN/SEC_Ph.D$ cd -
/home/student/Documents/Dhivya/SSN
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN/SEC_Ph.D$ cd -
/home/student/Documents/Dhivya/SSN
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN/SEC_Ph.D$
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN/SEC_Ph.D$
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN/SEC_Ph.D$
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN$

AboutMe.txt dept_CSE dept_CSE, dept.txt orientation.txt SEC_Ph.D
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN$

AboutMe.txt dept_CSE dept_CSE, dept.txt orientation.txt SEC_Ph.D
student@hpc-HP-ProDesk-600-G5-PCI-MT:~/Documents/Dhivya/SSN$
```

# C. Working in Python Interactive Mode:

1. Create a variable named num1 with some integer value and display the value & Damp; its datatype.

```
>>> num1=10
>>> print("Value ",num1)
Value 10
>>> type(num1)
<class 'int'>
```

2. Create another variable named num2 with some integer value and display its datatype. Use the same variable to store a floating value and write your inference.

```
>>> num2=20
>>> print("Another value is ",num2)
Another value is 20
>>> type(num2)
<class 'int'>
>>> num2=30.23
>>> print("Another value is ",num2)
Another value is 30.23
>>> type(num2)
<class 'float'>
```

3. Create a variable name with your name as input



4. Display the value of num1, num2 and name.

```
>>> print("Value 1 is ",num1," Value 2 is ",num2," Name is ",name)
Value 1 is 10 Value 2 is 30.23 Name is Dhivya
```

5. Display the type of num1, num2 and name.

```
>>> type(num1)
<class 'int'>
>>> type(num2)
<class 'float'>
>>> type(name)
<class 'str'>
```

6. Display "Hello "along with your name.

```
>>> a="Hello"
>>> name="Dhivya"
>>> print(a+name)
HelloDhivya
>>> print("Hello ",name)
Hello Dhivya
>>> print("Hello "+name)
Hello Dhivya
```

- 7. Find the output of 4+6\*7/2 directly.
- 8. Find the output of 4+5\*7/3 directly.
- 9. Find the output of 4+5\*7 //3 directly.

10. Find the output of num1 raised to power of num2

```
>>> num1**num2
1.698243652461746e+30
>>> print(num1**num2)
1.698243652461746e+30
>>> pow(num1,num2)
1.698243652461746e+30
>>> print(pow(num1,num2))
1.698243652461746e+30
```

11. Get the input from the user and display the value.

```
>>> x=input("Enter value")
Enter value 10
>>> x=input("Enter your name")
Enter your name Dhivya
```