

Shell Commands

- To get the username

```
whoami
```

```
(rudraksh@WAR-WACHINE)-[/mnt/c/Users/rudra/ShellProgramming]  
$ whoami  
rudraksh
```

- To change the directory

```
cd
```

```
(rudraksh@WAR-WACHINE)-[/mnt/c/Users/rudra/ShellProgramming]  
$ cd Test  
  
(rudraksh@WAR-WACHINE)-[/mnt/c/Users/rudra/ShellProgramming/Test]  
$ |
```

- To check the present working directory

```
pwd
```

```
(rudraksh@WAR-WACHINE)-[/mnt/c/Users/rudra]  
$ pwd  
/mnt/c/Users/rudra
```

- To read the files

```
cat filename
```

```
(rudraksh@WAR-WACHINE)-[/mnt/c/Users/rudra/ShellProgramming]  
$ cat Test.txt  
Successfully Tested Nano!
```

- To clear the terminal

```
clear
```

```
(rudraksh@WAR-WACHINE)-[/mnt/c/Users/rudra/ShellProgramming]  
$ ls  
readme.md  Test  
  
(rudraksh@WAR-WACHINE)-[/mnt/c/Users/rudra/ShellProgramming]  
$ clear
```

- To list down previously used commands

```
history
```

```

337  clear
338  cls
339  clear
340  clear
341  ls
342  history
343  clear
344  ## implementing shell commands
345  ls
346  clear
347  pwd
348  pwd
349  ls
350  clear
351  ls
352  ls -a
353  ll
354  mkdir ShellProgramming
355  cd ShellProgramming/
356  clear
357  ls
358  mkdir readme.md
359  clear
360  ls
361  ls -a
362  ll
363  ls -l
364  whoami
365  mkdir Test
366  cd Test
367  cd ..
368  ls
369  cd Test/
370  cd ..
371  clear
372  ls
373  history

```

(rudraksh@WAR-WACHINE)-[/mnt/c/Users/rudra/ShellProgramming]
\$ history

- To create files

touch

```

(rudraksh@WAR-WACHINE)-[/mnt/c/Users/rudra/ShellProgramming]
$ touch Test.txt

(rudraksh@WAR-WACHINE)-[/mnt/c/Users/rudra/ShellProgramming]
$ ls
readme.md  Test  Test.txt

```

- To list down all files in the working directory

ls

```
(rudraksh@WAR-WACHINE)-[/mnt/c/Users/rudra]
$ ls
06_linear_regression.ipynb      music-recommender.joblib
'Application Data'             'My Documents'
'Assignment 04_Vaishnavi Nawghare.ipynb'  NetHood
'Assignment 15.ipynb'          NTUSER.DAT
'Assignment 17.ipynb'          NTUSER.DAT{1c2b59c6-c5f5-11eb-bacb-000d3a96488e}.TM.blf
'Assignment 18.ipynb'          NTUSER.DAT{1c2b59c6-c5f5-11eb-bacb-000d3a96488e}.TM.Container000000000000000001.regtrans-ms
'Assignment 19.ipynb'          NTUSER.DAT{1c2b59c6-c5f5-11eb-bacb-000d3a96488e}.TM.Container000000000000000002.regtrans-ms
'Assignment 20_Rudraksh Karpe.ipynb'      ntuser.dat.LOG1
'Assignment 3_Group B.ipynb'      ntuser.dat.LOG2
'Assignment 3.ipynb'             ntuser.ini
'Assignment 4.ipynb'             'Numpy [PDS-Practical].ipynb'
Basics.ipynb                    'out.zip'
battery-report.html             'Pandas [PDS-Practical].ipynb'
BullseyeCoverageError.txt       'PDS Assignment_15.ipynb'
'Clustering Algorithms.ipynb'     'PDS Assignment 16.ipynb'
'Contacts'                      'PrintHood'
Cookies                         'Python Pending Assignments.ipynb'
'CreateProject'                 Recent
'Duplicate Data deletion.ipynb'  'SendTo'
'GROUP-B_ASSIGNMENT 04.ipynb'    'Start Menu'
'HelloWord to ML.ipynb'          '..swp'
'Hello World to ML part-2.ipynb'  Templates
'keys'                           'Untitled1.ipynb'
'keys.pub'                      'Untitled3.ipynb'
'Local Settings'                'Untitled4.ipynb'
main.cpp                       'Untitled5.ipynb'
                                'Untitled6.ipynb'
                                'Untitled7.ipynb'
                                'Untitled8.ipynb'
                                'Untitled9.ipynb'
                                vgsales.csv
```

Some Modifications of the List command

- To check the hidden files in the directory

```
ls -a
```

```
(rudraksh@WAR-WACHINE)-[/mnt/c/Users/rudra/ShellProgramming]
$ ls -a
.  ..  README.md
```

- To check all the accesses for all the files in the directory

```
ls -l
```

```
ll
```

```
(rudraksh@WAR-WACHINE)-[/mnt/c/Users/rudra/ShellProgramming]
$ ll
total 0
drwxrwxrwx 1 rudraksh rudraksh 4096 Feb  1 13:41 readme.md

(rudraksh@WAR-WACHINE)-[/mnt/c/Users/rudra/ShellProgramming]
$ ls -l
total 0
drwxrwxrwx 1 rudraksh rudraksh 4096 Feb  1 13:41 readme.md
```

Text Editors in the Linux or Unix Terminals

Nano as a Text editor

- To open files using Nano

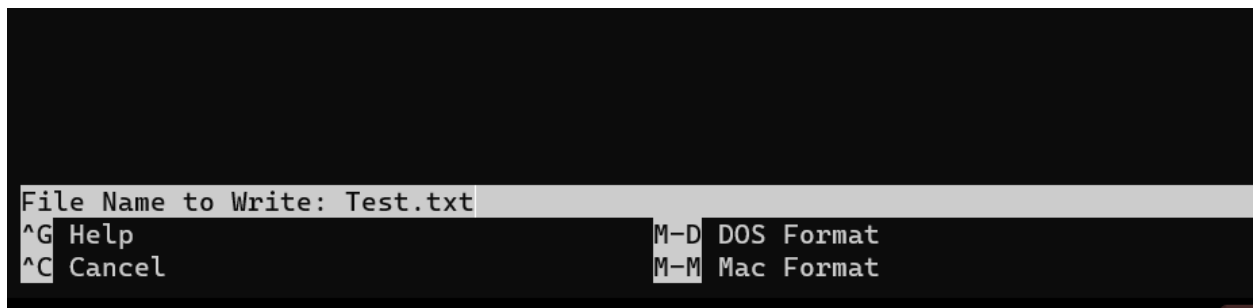
```
nano filename
```

```
(rudraksh@WAR-WACHINE)-[/mnt/c/Users/rudra/ShellProgramming]
$ nano Test.txt
```

Nano Interface

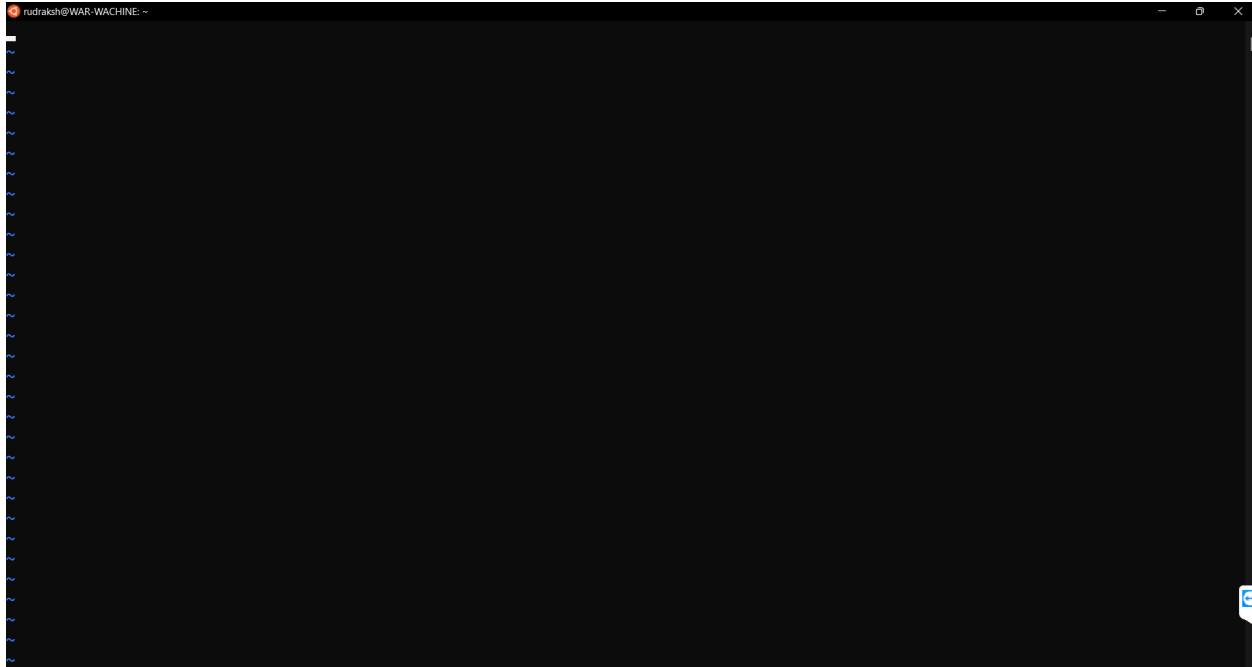


- Use CTRL + O → To write down the changes



- CTRL + X is used to get out of the NANO interface.

vim interface



- To open files in vim editor

```
vim filename
```

NOTE:

- Once you enter the vim editor, you will not be able to edit directly like nano. You need to press 'i' key to turn on the editor mode.

```
i
```