

Creating directory –

We can create a directory by using the following command

Command – “mkdir directory_name” and press “enter”

```
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inception@inception:~$ pwd
/home/inception
inception@inception:~$ cd Desktop
inception@inception:~/Desktop$ mkdir Directory_1
inception@inception:~/Desktop$
```

Check-

```
inception@inception:~/Desktop$ ls
Directory_1
inception@inception:~/Desktop$
```

Creating multiple directories –

We can create multiple directories in the single-line command

Command – ‘mkdir firstdirectory_name seconddirectory_name thirddirectory_name’

```
inception@inception:~/Desktop$ mkdir dic_a dic_b dic_c
inception@inception:~/Desktop$ ls
dic_a dic_b dic_c Directory_1 Directory_b
inception@inception:~/Desktop$
```

Creating nested directory-

We can create a nested directory in Linux.

Command – “mkdir -p directory_name1/ directory_name2/ directory_name3” and press “enter”

Here “-p” is the parental directory

```
inception@inception:~/Desktop/Directory_1$ mkdir -p Directory_2/Directory_3/Directory_4/Directory_5
inception@inception:~/Desktop/Directory_1$
```

Check-

```
inception@inception:~$ cd Desktop
inception@inception:~/Desktop$ cd Directory_1
inception@inception:~/Desktop/Directory_1$ cd Directory_2
inception@inception:~/Desktop/Directory_1/Directory_2$ cd Directory_3
inception@inception:~/Desktop/Directory_1/Directory_2/Directory_3$ cd Directory_4
inception@inception:~/Desktop/Directory_1/Directory_2/Directory_3/Directory_4$
```

To exit from the current Directory to the Desktop

Command – “cd ..” and press “enter”

How to enter Directory_3 in the single-line command

Command – “cd ..” and press “enter”

```
inception@inception:~/Desktop/Directory_1/Directory_2/Directory_3/Directory_4/Directory_5$
inception@inception:~/Desktop/Directory_1/Directory_2/Directory_3/Directory_4/Directory_5$ cd ..
inception@inception:~/Desktop/Directory_1/Directory_2/Directory_3/Directory_4$ cd ../../../../
inception@inception:~/Desktop$
```

How to create a hidden directory-

Command – “mkdir .Directory_a” and press “enter”

```
inception@inception:~/Desktop$ mkdir .Directory_a
inception@inception:~/Desktop$ ls
Directory_1
inception@inception:~/Desktop$
```

Here, we create a hidden directory_a we check it with the “ls” command, as it’s a hidden directory we can’t see it.

To check the hidden directory, we use the following command

Command- “ls -a” and press “enter”

```
inception@inception:~/Desktop$ ls -a
.  ..  Directory_1  .Directory_a
inception@inception:~/Desktop$
```

How to Copy and paste directory –

Command- “cp [option] [source] [destination]”

```
inception@inception:~/Desktop$ cp -r dic_c Directory_1
inception@inception:~/Desktop$ cd Directory_1
inception@inception:~/Desktop/Directory_1$ ls
dic_c  Directory_2
inception@inception:~/Desktop/Directory_1$
```

How to rename directory-

Command- “mv old_name new_name” and then “enter”

```
inception@inception:~/Desktop$ mv Directory_b my_dic
inception@inception:~/Desktop$ ls
dic_b  my_dic
inception@inception:~/Desktop$
```

How to move directory –

We can move the directory from one location to another location.

Command- “mv SOURCE DESTINATION” and press “enter”

```
inception@inception:~/Desktop$ ls
dic_a  dic_b  dic_c  Directory_1  Directory_b
inception@inception:~/Desktop$ mv dic_a dic_b
inception@inception:~/Desktop$
```

Check-

```
inception@inception:~/Desktop$ ls
dic_b  dic_c  Directory_1  Directory_b
inception@inception:~/Desktop$
```

Remove the directory-

Command- "rmdir directory_name" and press "enter"

This command is used to remove the specified directory.

It is generally used for empty directories.

```
inception@inception:~/Desktop$ rmdir dic_c
inception@inception:~/Desktop$ ls
dic_b  Directory_1  Directory_b
inception@inception:~/Desktop$
```

Command- "rm -rf directory_name" and press "enter"

It is generally used for non-empty directories.

```
inception@inception:~/Desktop$ rm -rf Directory_1
inception@inception:~/Desktop$ ls
dic_b  Directory_b
inception@inception:~/Desktop$
```

How to Cut and paste directory –

Command- "mv [source] [destination]"

```
inception@inception:~/Desktop$ ls
dic_b  my_dic
inception@inception:~/Desktop$ mv dic_b my_dic
inception@inception:~/Desktop$ ls
my_dic
inception@inception:~/Desktop$
```

