

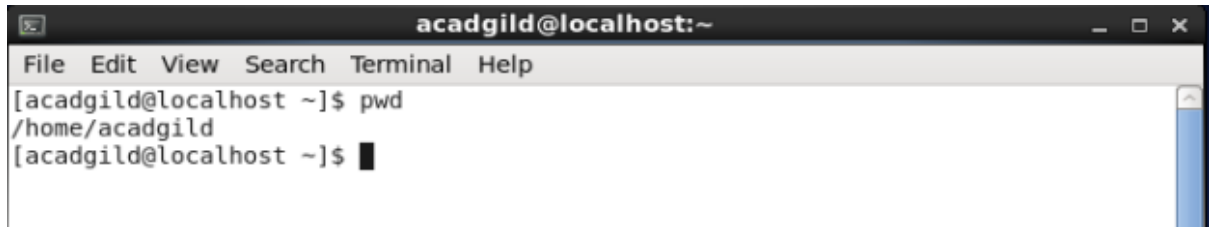
Assignment 1.2

Problem Statement:

Explain the below linux commands with an example. Share the screenshot of each command with the output:

1. pwd

pwd or 'present working directory' tells us which is the working directory the terminal currently



```
acadgild@localhost:~  
File Edit View Search Terminal Help  
[acadgild@localhost ~]$ pwd  
/home/acadgild  
[acadgild@localhost ~]$
```

2. vi

vi is an editor which can be used to view/edit a file.



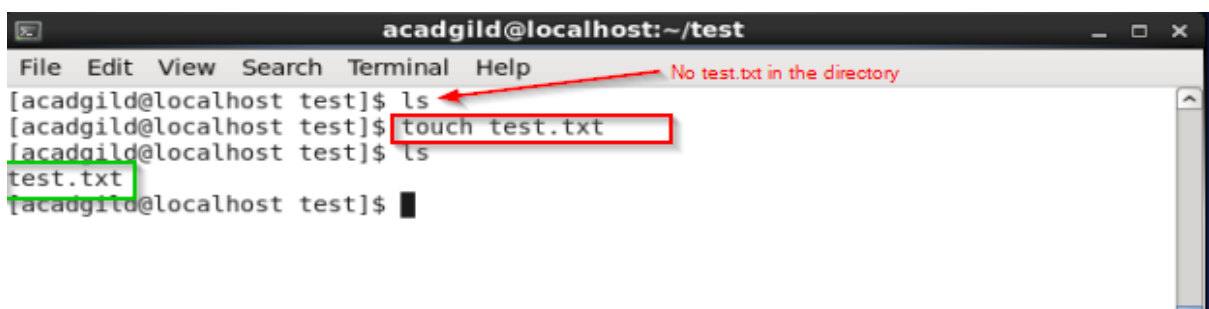
```
acadgild@localhost:~  
File Edit View Search Terminal Help  
[acadgild@localhost ~]$ vi test.txt
```



```
acadgild@localhost:~  
File Edit View Search Terminal Help  
This is an example text  
~  
~  
~  
~  
~  
~  
~  
~  
~  
~  
-- INSERT -- 1,24 All
```

3. touch

touch command is used to create a new empty file or can be also used to change dates etc of existing file

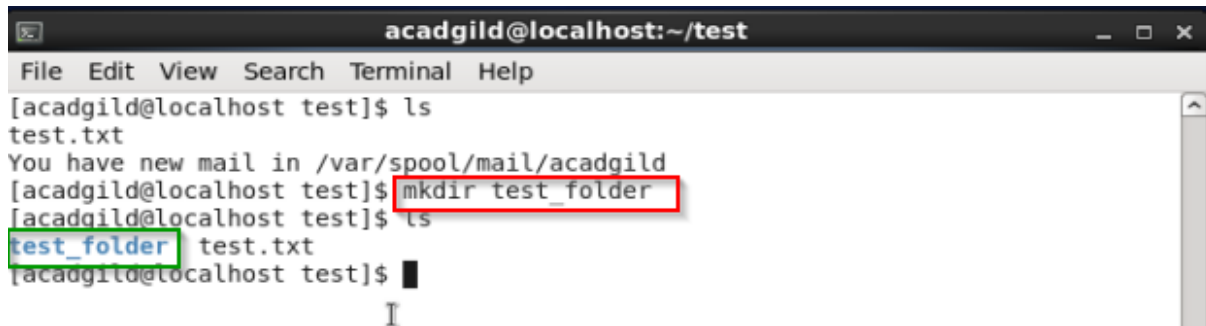


```
acadgild@localhost:~/test  
File Edit View Search Terminal Help  
[acadgild@localhost test]$ ls  
[acadgild@localhost test]$ touch test.txt  
[acadgild@localhost test]$ ls  
test.txt  
[acadgild@localhost test]$
```

Note: A red arrow points to the 'touch test.txt' command with the text 'No test.txt in the directory'. The output 'test.txt' is highlighted with a green box.

4. mkdir

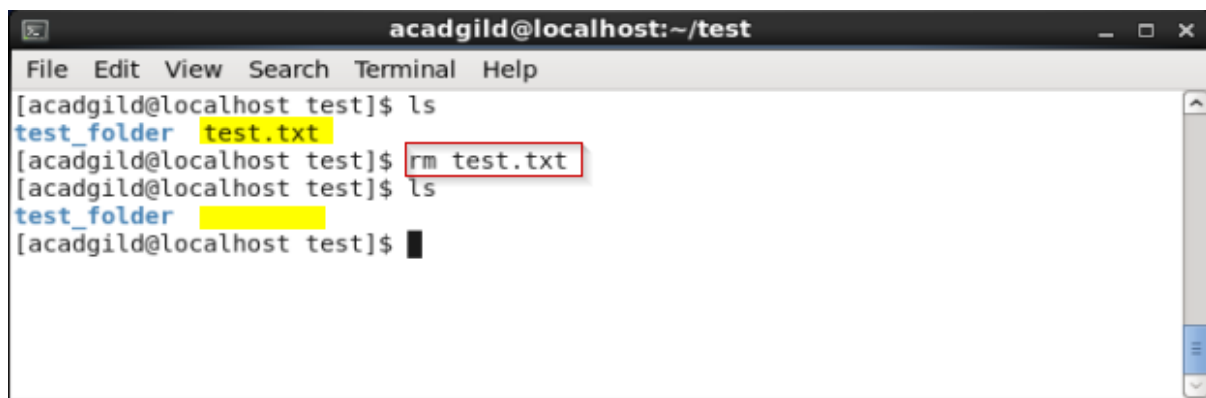
Used to create a new directory.

A terminal window titled 'acadgild@localhost:~/test' with a menu bar (File, Edit, View, Search, Terminal, Help). The command history shows: [acadgild@localhost test]\$ ls, test.txt, You have new mail in /var/spool/mail/acadgild, [acadgild@localhost test]\$ mkdir test_folder (highlighted with a red box), [acadgild@localhost test]\$ ls, test_folder test.txt (test_folder highlighted with a green box), [acadgild@localhost test]\$ █. A cursor is visible on the line following the last command.

```
acadgild@localhost:~/test
File Edit View Search Terminal Help
[acadgild@localhost test]$ ls
test.txt
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost test]$ mkdir test_folder
[acadgild@localhost test]$ ls
test_folder test.txt
[acadgild@localhost test]$ █
```

5. rm

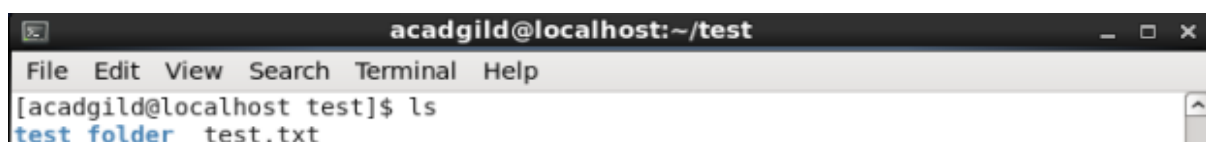
Used to remove a file/folder

A terminal window titled 'acadgild@localhost:~/test' with a menu bar (File, Edit, View, Search, Terminal, Help). The command history shows: [acadgild@localhost test]\$ ls, test_folder test.txt (test.txt highlighted with a yellow box), [acadgild@localhost test]\$ rm test.txt (highlighted with a red box), [acadgild@localhost test]\$ ls, test_folder (highlighted with a yellow box), [acadgild@localhost test]\$ █.

```
acadgild@localhost:~/test
File Edit View Search Terminal Help
[acadgild@localhost test]$ ls
test_folder test.txt
[acadgild@localhost test]$ rm test.txt
[acadgild@localhost test]$ ls
test_folder
[acadgild@localhost test]$ █
```

6. ls

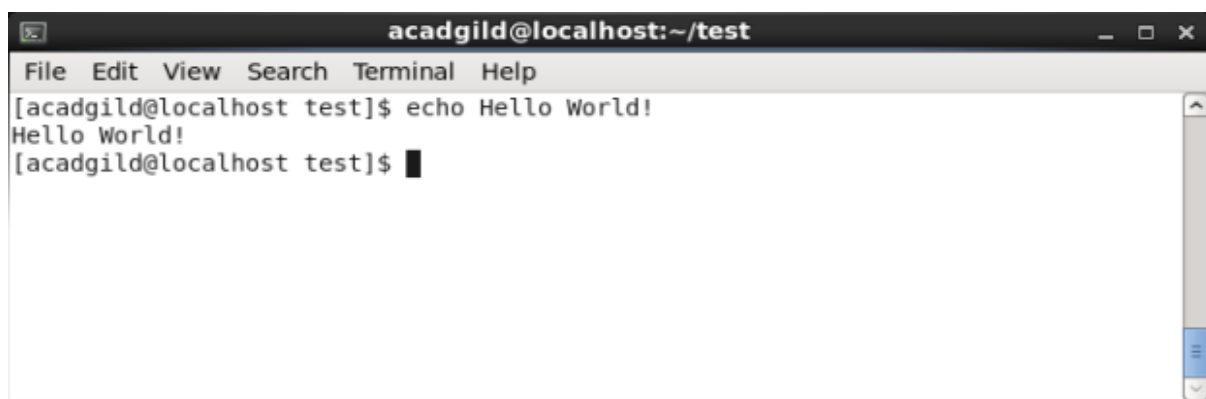
Used to list all files/folders in a directory

A terminal window titled 'acadgild@localhost:~/test' with a menu bar (File, Edit, View, Search, Terminal, Help). The command history shows: [acadgild@localhost test]\$ ls, test_folder test.txt.

```
acadgild@localhost:~/test
File Edit View Search Terminal Help
[acadgild@localhost test]$ ls
test_folder test.txt
```

7. echo

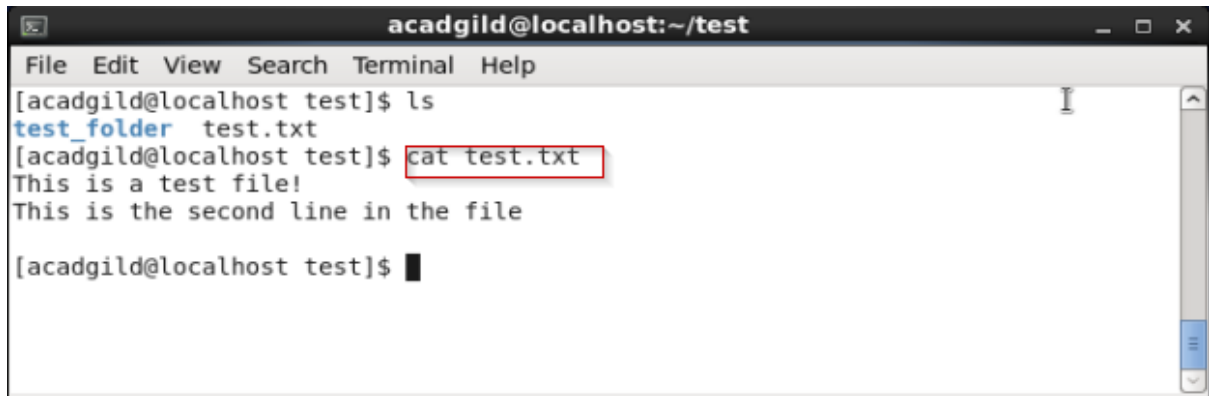
It is a print command to display a string

A terminal window titled 'acadgild@localhost:~/test' with a menu bar (File, Edit, View, Search, Terminal, Help). The command history shows: [acadgild@localhost test]\$ echo Hello World!, Hello World!, [acadgild@localhost test]\$ █.

```
acadgild@localhost:~/test
File Edit View Search Terminal Help
[acadgild@localhost test]$ echo Hello World!
Hello World!
[acadgild@localhost test]$ █
```

8. cat

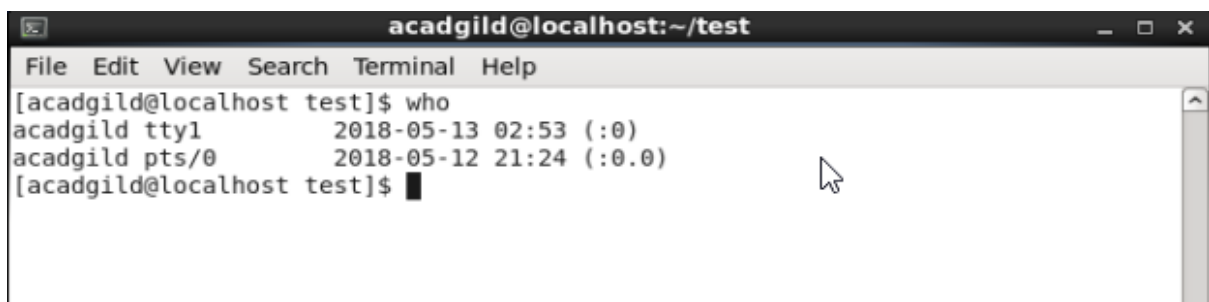
It is used to view contents of single/multiple files



```
acadgild@localhost:~/test
File Edit View Search Terminal Help
[acadgild@localhost test]$ ls
test_folder test.txt
[acadgild@localhost test]$ cat test.txt
This is a test file!
This is the second line in the file
[acadgild@localhost test]$
```

9. who

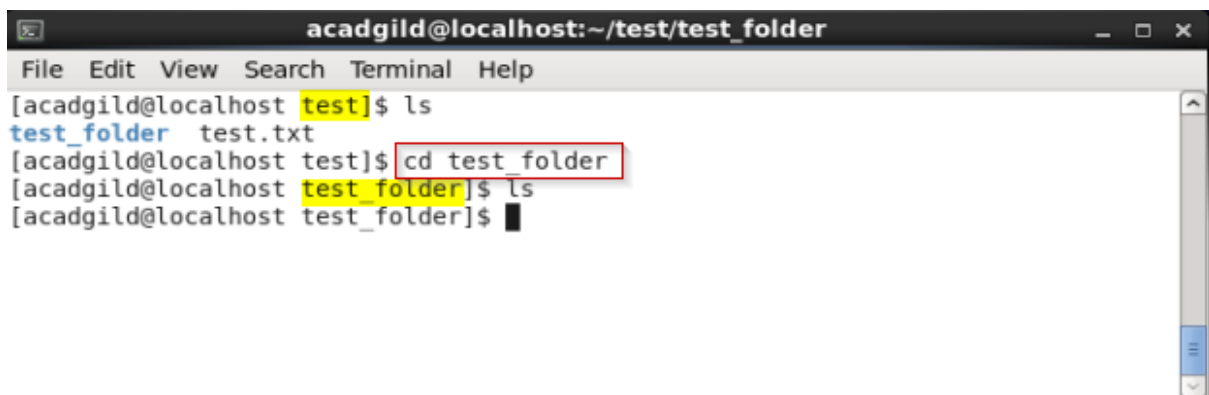
Who command gives information about users who are logged in.



```
acadgild@localhost:~/test
File Edit View Search Terminal Help
[acadgild@localhost test]$ who
acadgild tty1      2018-05-13 02:53 (:0)
acadgild pts/0    2018-05-12 21:24 (:0.0)
[acadgild@localhost test]$
```

10. cd

Used to change the current/working directory



```
acadgild@localhost:~/test/test_folder
File Edit View Search Terminal Help
[acadgild@localhost test]$ ls
test_folder test.txt
[acadgild@localhost test]$ cd test_folder
[acadgild@localhost test_folder]$ ls
[acadgild@localhost test_folder]$
```

11. date

Used to display or set current date

```
acadgild@localhost:~/test/test_folder
File Edit View Search Terminal Help
[acadgild@localhost test_folder]$ date
Sat May 12 22:01:26 IST 2018
[acadgild@localhost test_folder]$
```

12. cal

Used to view calendar. Can be used to see current month or even for a particular date.

```
acadgild@localhost:~/test/test_folder
File Edit View Search Terminal Help
[acadgild@localhost test_folder]$ cal
    May 2018
Su Mo Tu We Th Fr Sa
                1  2  3  4  5
 6  7  8  9 10 11 12
13 14 15 16 17 18 19
20 21 22 23 24 25 26
27 28 29 30 31
[acadgild@localhost test_folder]$
```

13. mv

Used to move a file, or even in case of renaming a file.

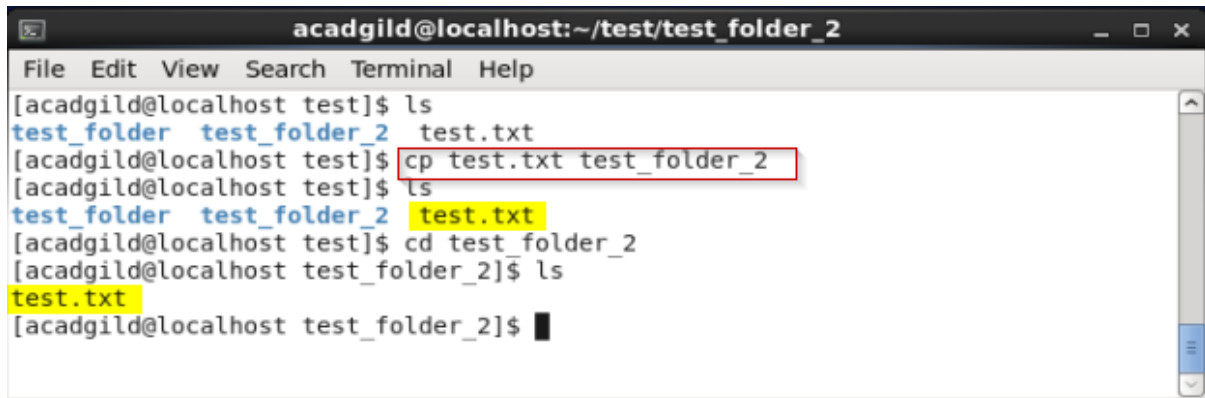
```
acadgild@localhost:~/test/test_folder_2
File Edit View Search Terminal Help
[acadgild@localhost test]$ ls
test_folder test_folder_2 test.txt
[acadgild@localhost test]$ mv test.txt test_folder_2
[acadgild@localhost test]$ ls
test_folder test_folder_2
[acadgild@localhost test]$ cd test_folder_2
[acadgild@localhost test_folder_2]$ ls
test.txt
[acadgild@localhost test_folder_2]$
```

Moving this file to the folder test_folder_2

File test.txt moved from here

14. Cp

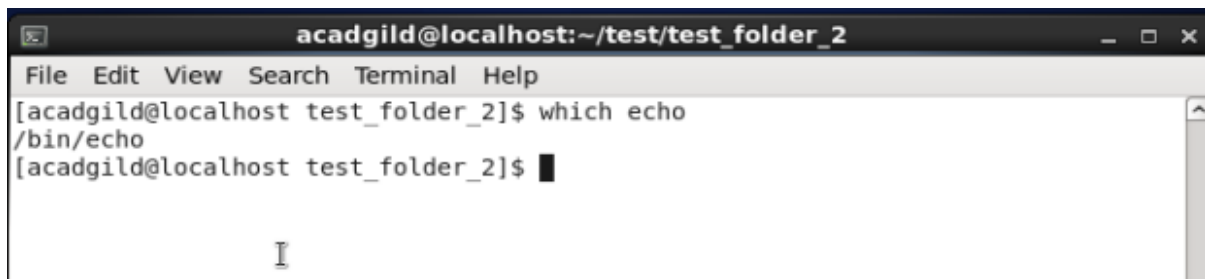
Used to copy a file/folder



```
acadgild@localhost:~/test/test_folder_2
File Edit View Search Terminal Help
[acadgild@localhost test]$ ls
test_folder test_folder_2 test.txt
[acadgild@localhost test]$ cp test.txt test_folder_2
[acadgild@localhost test]$ ls
test_folder test_folder_2 test.txt
[acadgild@localhost test]$ cd test_folder_2
[acadgild@localhost test_folder_2]$ ls
test.txt
[acadgild@localhost test_folder_2]$
```

15. Which

Used to know which executable file will be used for a command, tells the full path of the executable.



```
acadgild@localhost:~/test/test_folder_2
File Edit View Search Terminal Help
[acadgild@localhost test_folder_2]$ which echo
/bin/echo
[acadgild@localhost test_folder_2]$
```