

Day_5

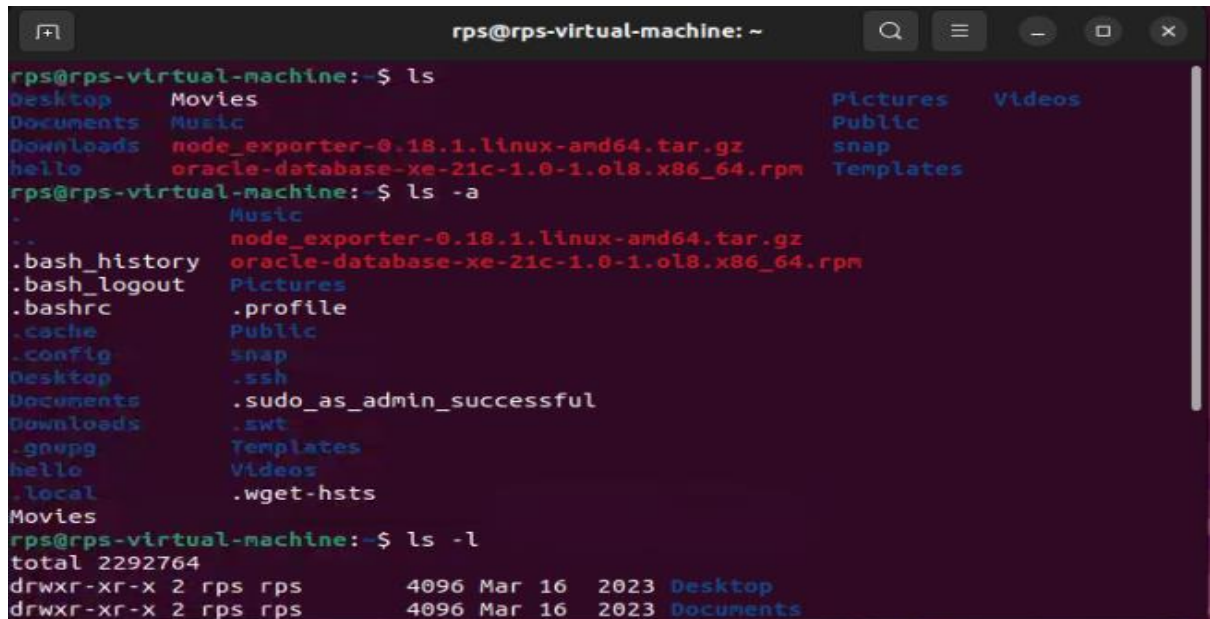
Date – 22/5/2024

Assignment 1

Write Linux Command

Commands :

1.ls



```
rps@rps-virtual-machine: ~  
rps@rps-virtual-machine:~$ ls  
Desktop      Movies      Pictures    Videos  
Documents    Music       Public  
Downloads    node_exporter-0.18.1.linux-amd64.tar.gz  snap  
hello        oracle-database-xe-21c-1.0-1.ol8.x86_64.rpm  Templates  
rps@rps-virtual-machine:~$ ls -a  
.  
..  
Music  
node_exporter-0.18.1.linux-amd64.tar.gz  
oracle-database-xe-21c-1.0-1.ol8.x86_64.rpm  
.bash_history  
.bash_logout  
.bashrc  
.cache  
.config  
Desktop  
Documents  
Downloads  
.gnupg  
hello  
.local  
Movies  
.profile  
Public  
snap  
.ssh  
.sudo_as_admin_successful  
.swt  
Templates  
Videos  
.wget-hsts  
rps@rps-virtual-machine:~$ ls -l  
total 2292764  
drwxr-xr-x 2 rps rps      4096 Mar 16  2023 Desktop  
drwxr-xr-x 2 rps rps      4096 Mar 16  2023 Documents
```

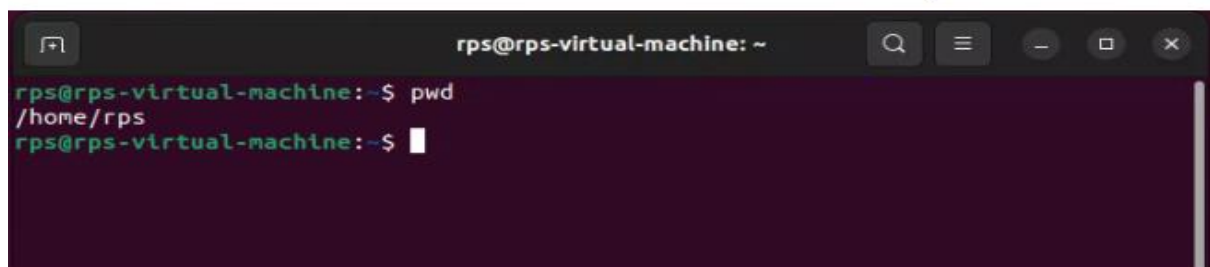
The ls command is used to list files and directories in the current working directory.

Different Options

ls -a : including hidden files

ls -l : long listing format

2. pwd



```
rps@rps-virtual-machine: ~  
rps@rps-virtual-machine:~$ pwd  
/home/rps  
rps@rps-virtual-machine:~$
```

The pwd command allows you to print the current working directory on your terminal.

3. mkdir

```
rps@rps-virtual-machine: ~/Videos
rps@rps-virtual-machine:~/Videos$ ls
batch2  file3.txt
rps@rps-virtual-machine:~/Videos$ mkdir batch
rps@rps-virtual-machine:~/Videos$ ls
batch  batch2  file3.txt
rps@rps-virtual-machine:~/Videos$
```

4. rmdir

```
rps@rps-virtual-machine: ~/Videos
rps@rps-virtual-machine:~/Videos$ ls
batch  batch2  file3.txt
rps@rps-virtual-machine:~/Videos$ rmdir batch2
rps@rps-virtual-machine:~/Videos$ ls
batch  file3.txt
rps@rps-virtual-machine:~/Videos$
```

5. cd

```
rps@rps-virtual-machine: ~/Videos/batch
rps@rps-virtual-machine:~/Videos$ pwd
/home/rps/Videos
rps@rps-virtual-machine:~/Videos$ cd batch
rps@rps-virtual-machine:~/Videos/batch$ pwd
/home/rps/Videos/batch
rps@rps-virtual-machine:~/Videos/batch$
```

6.cp

```
rps@rps-virtual-machine: ~/Videos
rps@rps-virtual-machine:~/Videos$ touch first.txt
rps@rps-virtual-machine:~/Videos$ touch second.txt
rps@rps-virtual-machine:~/Videos$ ls
batch  file3.txt  first.txt  second.txt
rps@rps-virtual-machine:~/Videos$ cp first.txt second.txt
```

7. mv command

```
rps@rps-virtual-machine: ~/Videos
rps@rps-virtual-machine:~/Videos$ ls
batch file3.txt first.txt second.txt
rps@rps-virtual-machine:~/Videos$ mv first.txt renamed.txt
rps@rps-virtual-machine:~/Videos$ ls
batch file3.txt renamed.txt second.txt
rps@rps-virtual-machine:~/Videos$
```

8. rm command

```
rps@rps-virtual-machine: ~/Videos
rps@rps-virtual-machine:~/Videos$ ls
batch file3.txt renamed.txt second.txt
rps@rps-virtual-machine:~/Videos$ rm renamed
rm: cannot remove 'renamed': No such file or directory
rps@rps-virtual-machine:~/Videos$ rm renamed.txt
rps@rps-virtual-machine:~/Videos$ ls
batch file3.txt second.txt
rps@rps-virtual-machine:~/Videos$
```

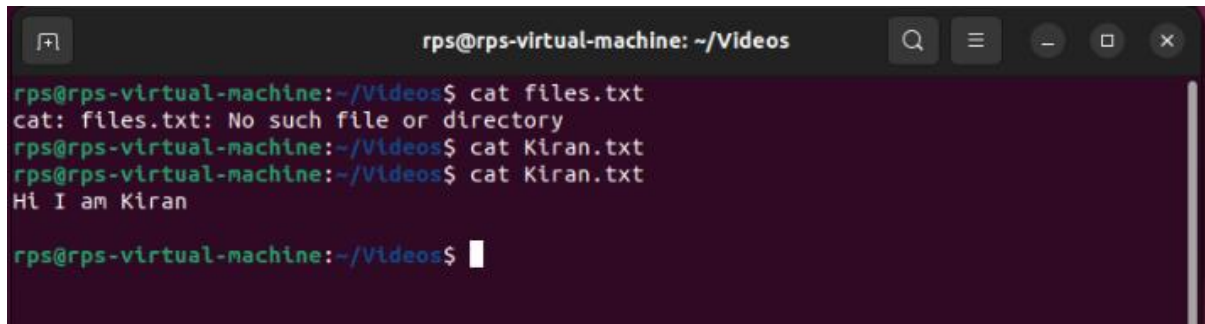
9. touch command

```
rps@rps-virtual-machine: ~/Videos
rps@rps-virtual-machine:~/Videos$ touch Kiran1.txt
rps@rps-virtual-machine:~/Videos$ ls
batch file3.txt Kiran1.txt Kiran.txt
rps@rps-virtual-machine:~/Videos$
```

10. linked command

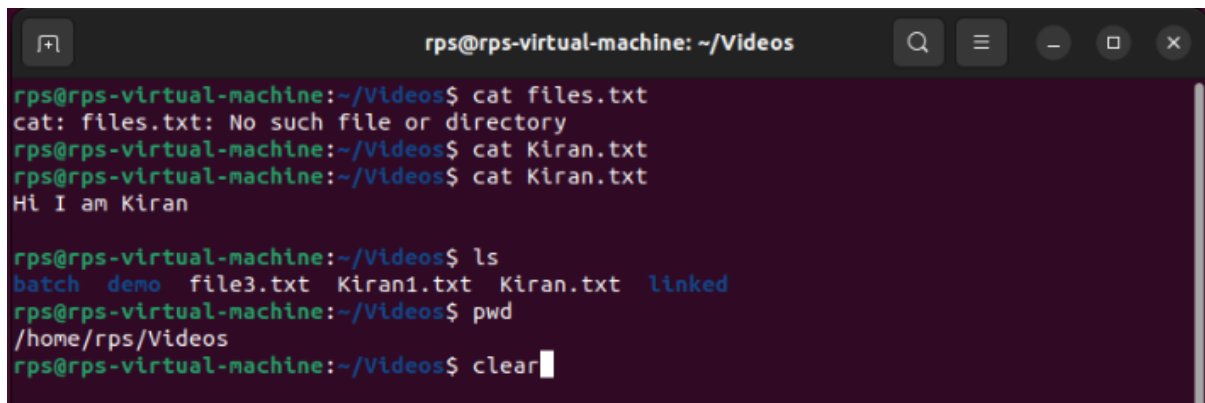
```
rps@rps-virtual-machine: ~/Videos
rps@rps-virtual-machine:~/Videos$ mkdir demo
rps@rps-virtual-machine:~/Videos$ mkdir linked
rps@rps-virtual-machine:~/Videos$ ln -s demo linked
rps@rps-virtual-machine:~/Videos$ linked/demo
bash: linked/demo: Too many levels of symbolic links
rps@rps-virtual-machine:~/Videos$
```

11. cat command



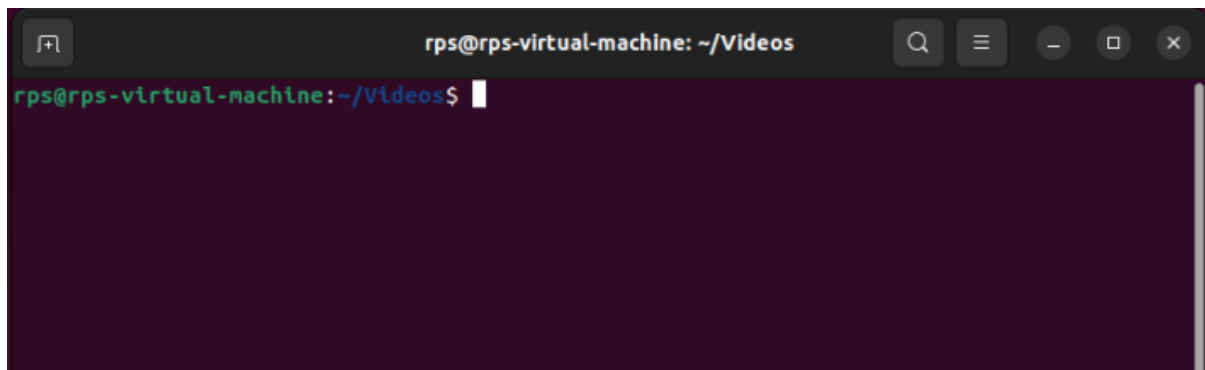
```
rps@rps-virtual-machine: ~/Videos
rps@rps-virtual-machine:~/Videos$ cat files.txt
cat: files.txt: No such file or directory
rps@rps-virtual-machine:~/Videos$ cat Kiran.txt
rps@rps-virtual-machine:~/Videos$ cat Kiran.txt
Hi I am Kiran
rps@rps-virtual-machine:~/Videos$
```

12. clear command



```
rps@rps-virtual-machine: ~/Videos
rps@rps-virtual-machine:~/Videos$ cat files.txt
cat: files.txt: No such file or directory
rps@rps-virtual-machine:~/Videos$ cat Kiran.txt
rps@rps-virtual-machine:~/Videos$ cat Kiran.txt
Hi I am Kiran

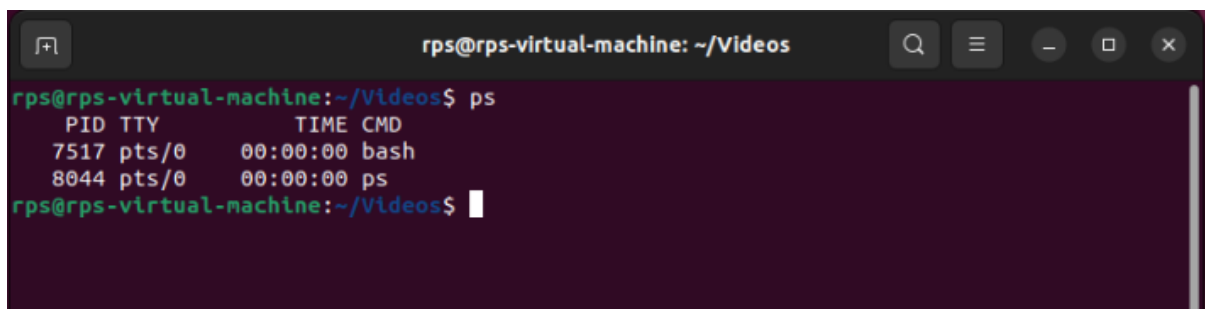
rps@rps-virtual-machine:~/Videos$ ls
batch demo file3.txt Kiran1.txt Kiran.txt linked
rps@rps-virtual-machine:~/Videos$ pwd
/home/rps/Videos
rps@rps-virtual-machine:~/Videos$ clear
```



```
rps@rps-virtual-machine: ~/Videos
rps@rps-virtual-machine:~/Videos$
```

13. ps command

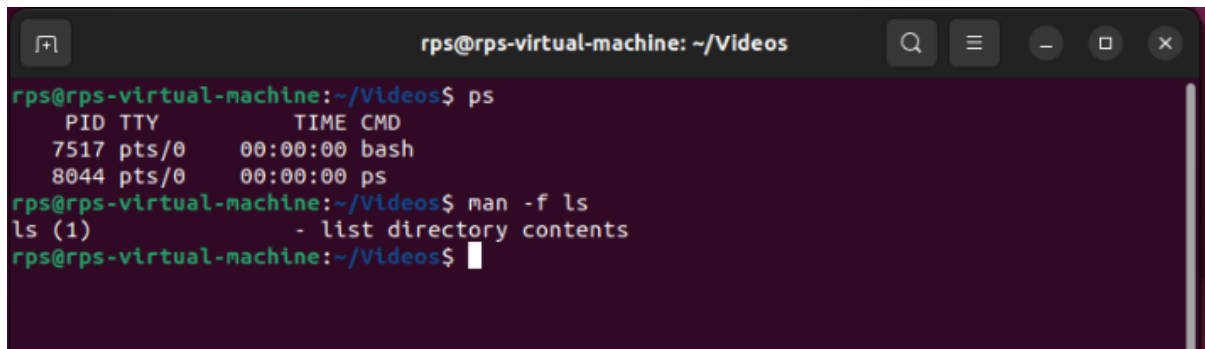
ps command in Linux is used to check the active processes in the terminal.



```
rps@rps-virtual-machine: ~/Videos
rps@rps-virtual-machine:~/Videos$ ps
  PID TTY          TIME CMD
  7517 pts/0        00:00:00 bash
  8044 pts/0        00:00:00 ps
rps@rps-virtual-machine:~/Videos$
```

14. man command

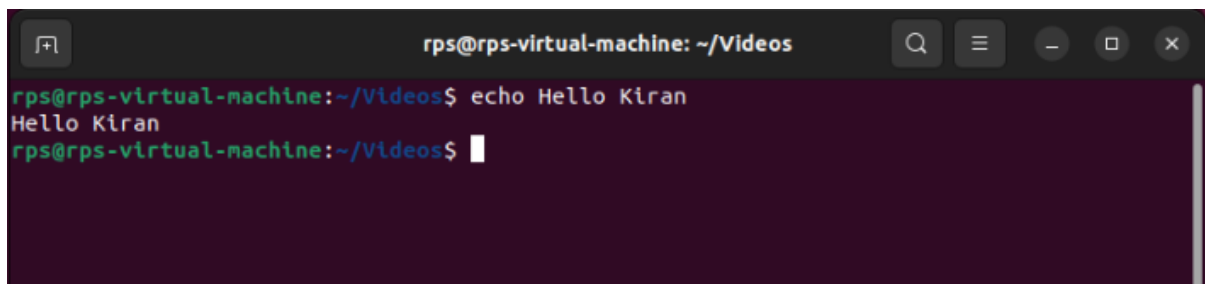
man command displays a user manual for any commands or utilities available in the Terminal, including their name, description, and options.



```
rps@rps-virtual-machine: ~/Videos
rps@rps-virtual-machine:~/Videos$ ps
  PID TTY          TIME CMD
  7517 pts/0    00:00:00 bash
  8044 pts/0    00:00:00 ps
rps@rps-virtual-machine:~/Videos$ man -f ls
ls (1)
- list directory contents
rps@rps-virtual-machine:~/Videos$
```

15. echo command

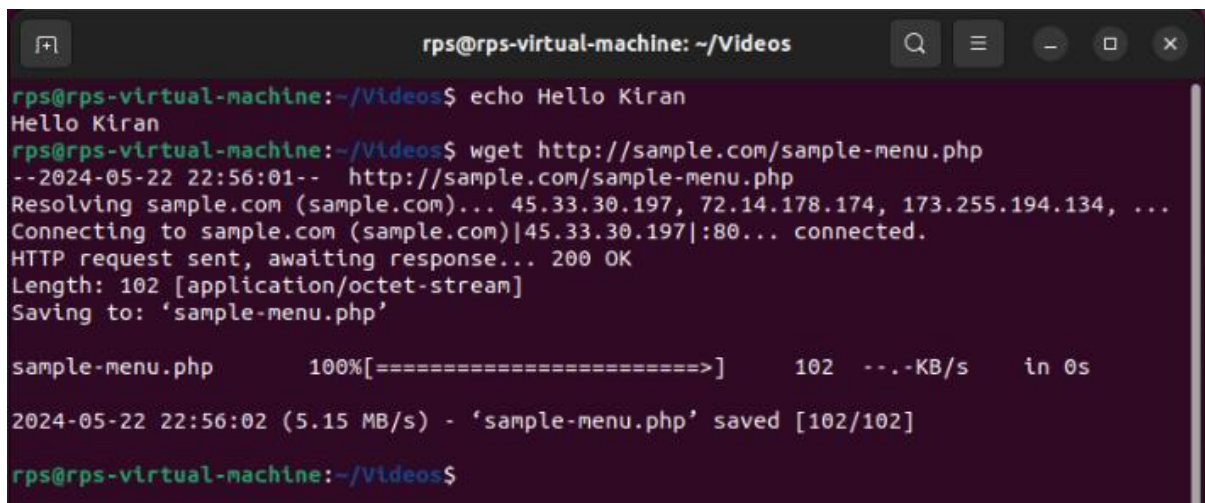
echo command in Linux is specially used to print something in the terminal



```
rps@rps-virtual-machine: ~/Videos
rps@rps-virtual-machine:~/Videos$ echo Hello Kiran
Hello Kiran
rps@rps-virtual-machine:~/Videos$
```

16.wget command

Wget command in the Linux command line allows you to download files from the internet. It runs in the background and does not interfere with other processes.



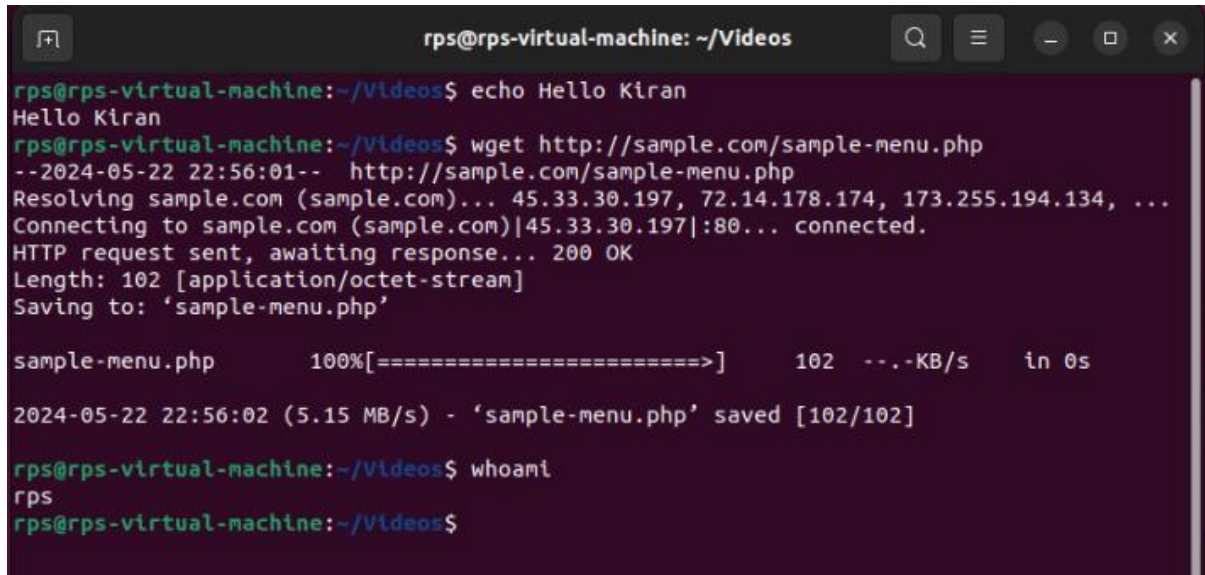
```
rps@rps-virtual-machine: ~/Videos
rps@rps-virtual-machine:~/Videos$ echo Hello Kiran
Hello Kiran
rps@rps-virtual-machine:~/Videos$ wget http://sample.com/sample-menu.php
--2024-05-22 22:56:01--  http://sample.com/sample-menu.php
Resolving sample.com (sample.com)... 45.33.30.197, 72.14.178.174, 173.255.194.134, ...
Connecting to sample.com (sample.com)|45.33.30.197|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 102 [application/octet-stream]
Saving to: 'sample-menu.php'

sample-menu.php      100%[=====>]          102  --.-KB/s    in 0s
2024-05-22 22:56:02 (5.15 MB/s) - 'sample-menu.php' saved [102/102]

rps@rps-virtual-machine:~/Videos$
```

17.whoami command

Whoami command provides basic information that is extremely useful when working on multiple systems. In general, if you are working with a single computer, you will not require it as frequently as a network administrator.

A terminal window titled 'rps@rps-virtual-machine: ~/Videos' with standard window controls. The terminal shows the following sequence of commands and outputs:

```
rps@rps-virtual-machine:~/Videos$ echo Hello Kiran
Hello Kiran
rps@rps-virtual-machine:~/Videos$ wget http://sample.com/sample-menu.php
--2024-05-22 22:56:01-- http://sample.com/sample-menu.php
Resolving sample.com (sample.com)... 45.33.30.197, 72.14.178.174, 173.255.194.134, ...
Connecting to sample.com (sample.com)|45.33.30.197|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 102 [application/octet-stream]
Saving to: 'sample-menu.php'

sample-menu.php      100%[=====>]          102  --.-KB/s    in 0s

2024-05-22 22:56:02 (5.15 MB/s) - 'sample-menu.php' saved [102/102]

rps@rps-virtual-machine:~/Videos$ whoami
rps
rps@rps-virtual-machine:~/Videos$
```