```
Last login: Wed Feb 13 14:37:17 on ttys000
Shefali-Emmanuels-MacBook-Pro-2018:- shefaliemmanuel$ ssh -i .desktop/emmanuel.pem ubuntu@172.17.64.250
Warning: Identity file .desktop/emmanuel.pem not accessible: No such file or directory.
The authenticity of host '172.17.64.250 (172.17.64.250) 'can't be established.
ECDSA key fingerprint is SHA256:My90L1]JMaa7TvCep3IfyPgEamC/2018+BGF4unY28.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '172.17.64.250' (ECDSA) to the list of known hosts.
ubuntu@172.17.64.250: Permission denied (publickey).
Shefali-Emmanuels-MacBook-Pro-2018:- shefaliemmanuel$ chmod 400 emmanuel.pem
chmod: emmanuel.pem: No such file or directory
Shefali-Emmanuels-MacBook-Pro-2018:- shefaliemmanuel$ chmod 400 emmanuel.pem
Chmod: emmanuel.pem: No such file or directory
Shefali-Emmanuels-MacBook-Pro-2018:- shefaliemmanuel$ ls -la
total 39488
dTwxr-xr-x* 77 Shefaliemmanuel staff 2464 Feb 10 09:53 .
255 Sep 25 23:23 .
7 Apr 14 2017 .CFUserTextEncoding
                                                                                                                                                       2464 Feb 10 09:53 .
256 Sep 25 23:23 ..
7 Apr 14 2017 .CFUserTextEncoding
28676 Feb 13 14:54 .DS_Store
64 Feb 13 14:34 .Trash
192 Sep 4 2017 .android
512 Jun 21 2017 .atom
15253 Jun 14 2018 .babel json
                                                     8 root admin
1 shefaliemmanuel staff
    -r-----
-rw-r--r--@
                                                    1 shefaliemmanuel staff
2 shefaliemmanuel staff
6 shefaliemmanuel staff
  drwx-----
drwxr-xr-x
  drwxr-xr-x
-rw-r--r--
                                              16 shefaliemmanuel
  1 shefaliemmanuel
                                                                                                                        staff
staff
                                                                                                                                                        512 Jun 21 2017 .atom
15253 Jun 14 2018 .babel.json
19736 Feb 13 14:37 .bash_history
840 May 9 2018 .bash_profile
672 Aug 30 2016 .bash_profile.pysave
832 Feb 13 14:57 .bash_sessions
96 Aug 10 2016 .config
96 May 21 2018 .configprops
128 Feb 27 2017 .electron
128 Aug 30 2016 .electron
128 Aug 30 2016 .gem
512 Nov 19 17:53 .git
188 Apr 26 2018 .gitconfig
192 Sep 4 2017 .gradle
288 Aug 15 21:08 .idea
160 Aug 30 2016 .idlerc
96 Aug 10 2016 .idlerc
                                                    1 shefaliemmanuel
1 shefaliemmanuel
1 shefaliemmanuel
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staff
staff
    -rw-r--r--
     -rw-r--r--
  drwxr-xr-x
drwxr-xr-x
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3 shefaliemmanuel
3 shefaliemmanuel
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12 shefaliemmanuel
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20 Feb 27
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2017
2017
  drwxr-xr-x
drwxr-xr-x
                                                                                                                         staff
                                                                                                                                                                                                                                   .node-gyp
.node_repl_history
                                                                                                                          staff
                                                           shefaliemmanuel
                                                                                                                          staff
  drwxr-xr-x 827 shefaliemmanuel
                                                                                                                                                          26 Feb 27 2017 .1100
26464 Jun 14 2018 .npr
256 Sep 25 2017 .or;
256 Apr 26 2018 .p2
                                                                                                                          staff
                                                                                                                                                                                                             2018 .npm
2017 .oracle jre usage
                                                                                                                                                256 Sep 25 2017 oracle jre_usage
256 Apr 26 2018 p2
160 Aug 10 2016 ssh
128 Oct 9 20:26. swipl-dir-history
96 Feb 10 2017 tooling
9468 Jun 14 2018 viminfo
96 Nov 18 20:18 vscode
14254 Jun 14 2018 viminfo
96 Nov 18 20:18 vscode
14254 Jun 14 2018 Applications
160 May 24 2018 Applications
160 May 24 2018 Applications
160 May 24 2018 Applications (Parallels)
153376 Jun 14 2018 Assignment1.zip
14337 Jun 14 2018 Assignment1.zip
174983 Jun 14 2018 Assignment1.xip
174983 Jun 14 2018 Assignment2.Emmanuel.zip
1889361 Jun 14 2018 CSCI 221 Assignment 3.zip
9031453 Jun 14 2018 CSCI 221 Assignment 3.zip
3254 Jun 14 2018 CSCI 221 Assignment 7.zip
3254 Jun 14 2018 Class1.zip
3254 Jun 14 2018 Class1.zip
3254 Jun 14 2018 Class1.zip
3275 Jun 14 2018 Class1.zip
3275 Jun 14 2018 Class1.zip
3275 Jun 14 2018 Class2.zip
329 Jun 14 2018 Class2.zip
329 Jun 14 2018 Class3.zip
3275 Jun 14 2018 Class5.zip
329 Jun 14 2018 Class5.zip
330 Jun 14 2018 Class5.zip
340 Jun 14 2018 Class5.zip
3517 Jun 14 2018 Class5.zip
                                                    8 shefaliemmanuel
8 shefaliemmanuel
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  drwxr-xr-x
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4 shefaliem
  drwx----
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   drwxr-xr-x
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  drwxr-xr-x
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1 shefaliemmanuel
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staff
 drwxrwxr-xw J ...
drwx----@ 23 shefaliemmanuel
drwx----@ 18 shefaliemmanuel
drwx----- 22 shefaliemmanuel
'rwy----- 1 shefaliemmanuel
'rhefaliemmanuel
                                             3 shefaliemmanuel
23 shefaliemmanuel
18 shefaliemmanuel
                                                                                                                         staff
staff
staff
  drwxrwxr-x@
ubuntu@172.17.64.250
      * Documentation: https://help.ubuntu.com

* Management: https://landscape.canonical.com

* Support: https://ubuntu.com/advantage
         System information as of Wed Feb 13 12:59:36 UTC 2019

      System load:
      0.0
      Processes:
      81

      Usage of /:
      4.9% of 19.21GB
      Users logged in:
      0

      Memory usage:
      6%
      IP address for ens3:
      172.17.64.250

         Get cloud support with Ubuntu Advantage Cloud Guest:
                 http://www.ubuntu.com/business/services/cloud
  0 packages can be updated.
0 updates are security updates.
 The programs included with the Ubuntu system are free software; the exact distribution terms for each program are described in the individual files in /usr/share/doc/*/copyright.
 Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by applicable law.
```

To run a command as administrator (user "root"), use "sudo <command>"

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See "man sudo_root" for details.
  ubuntu@emmanuellab1:~$ sudo passwd ubuntu
ubuntu@emmanuellabl:-$ sudo passwd ubuntu Enter new UNIX password:
Retype new UNIX password:
passwd:password updated successfully ubuntu@emmanuellabl:-$ lsblk
NAME MAJ:MIN RN 51ZE RO TYPE MOUNTPOINT vda 252:0 0 206 0 disk
|-vda1 252:1 0 19:96 0 part /
-vda1 252:14 0 4M 0 part
|-vda12 52:15 0 166M 0 part /boot/efi vdb 252:16 0 26 0 disk
ubuntu@emmanuellabl:-$ sudo fdisk /dev/vdb
Welcome to fdisk (util-linux 2.31.1). Changes will remain in memory only, until you decide to write them. Be careful before using the write command.
 Device does not contain a recognized partition table.
Created a new DOS disklabel with disk identifier 0x4ec5f74f.
Command (m for help): n
Partition type
p primary (0 primary, 0 extended, 4 free)
e extended (container for logical partitions)
Select (default p): p
Partition number (1-4, default 1): 1
First sector (2048-4194303, default 2048):
Last sector, +sectors or +size(K,M,G,T,P) (2048-4194303, default 4194303): 83
Value out of range.
Last sector, +sectors or +size(K,M,G,T,P) (2048-4194303, default 4194303): T
Last sector, +sectors or +size(K,M,G,T,P) (2048-4194303, default 4194303): 83
Value out of range.
Last sector, +sectors or +size(K,M,G,T,P) (2048-4194303, default 4194303): 83
Value out of range.
Last sector, +sectors or +size(K,M,G,T,P) (2048-4194303, default 4194303): 83
  Command (m for help): n
  Created a new partition 1 of type 'Linux' and of size 2 GiB.
 Command (m for help): n
All space for primary partitions is in use.
  Command (m for help): t
 Selected partition 1
Hex code (type L to list all codes): 83
Changed type of partition 'Linux' to 'Linux'.
 Command (m for help): w The partition table has been altered. Calling ioctl() to re-read partition table. Syncing disks.
  ubuntu@emmanuellab1:~$ lsplk
 Command 'lsplk' not found, did you mean:
        command 'lsblk' from deb util-linux
  Try: sudo apt install <deb name>
ubuntu@emmanuellabl:-5 lsblk
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
vda 252:0 0 206 0 disk
--vdal 252:1 0 19.96 0 part /
--vdal 252:13 0 19.96 0 part /
--vdal 252:15 0 160M 0 part /boot/efi
vdb 252:16 0 26 0 disk
---vdal 252:15 0 26 0 part
vdb 252:16 0 26 0 part
ubuntu@emmanuellabl:-5 sudo mkdir /data
ubuntu@emmanuellabl:-5 sudo mkfs.ext4 /dev/vdbl
mke2fs 1.44.1 (24-Mar-2018)
Creating filesystem with 524032 4k blocks and 13
  mke2fs 1.44.1 (24-Mar-2018)
Creating filesystem with 524032 4k blocks and 131072 inodes
Filesystem UUID: 22714726-b809-4850-aa5a-8bfdelale715
Superblock backups stored on blocks:
32768, 98304, 163840, 229376, 294912
  Allocating group tables: done
Writing inode tables: done
Creating journal (8192 blocks): done
Writing superblocks and filesystem accounting information: done
```