

LINUX CLASS WORKS

The image displays two screenshots of a Linux terminal window, likely from a virtual machine, showing a user's interaction with the file system.

Top Screenshot:

```
root@user-Virtual-Machine: /dev
user@user-Virtual-Machine: ~/Desktop$ cd
user@user-Virtual-Machine: $ sudo su
[sudo] password for user:
root@user-Virtual-Machine: /home/user# cd /
root@user-Virtual-Machine: /# pwd
/
root@user-Virtual-Machine: /# ls
bin  cdrom  etc  lib  lib64  lost+found  mnt  proc  run  snap  swapfile  tmp  var
boot  dev  home  lib32  libx32  media  opt  root  sbin  srv  sys  usr
root@user-Virtual-Machine: /# echo "hi!! " >> abc.txt
root@user-Virtual-Machine: /# ls
abc.txt  boot  dev  home  lib32  libx32  media  opt  root  sbin  srv  sys  usr
root@user-Virtual-Machine: /# cd /home/user/
root@user-Virtual-Machine: /home/user# ls
Desktop  Documents  Downloads  Music  Pictures  Public  snap  Templates  test  Videos
root@user-Virtual-Machine: /home/user# cd /
root@user-Virtual-Machine: /# ls
abc.txt  boot  dev  home  lib32  libx32  media  opt  root  sbin  srv  sys  usr
bin  cdrom  etc  lib  lib64  lost+found  mnt  proc  run  snap  swapfile  tmp  var
root@user-Virtual-Machine: /# cd bin
root@user-Virtual-Machine: /bin# ls
['aa-enabled', 'aa-exec', 'aa-features-abi', 'acconnect', 'acpidbg', 'acpi_listen', 'add-apt-repository', 'addpart', 'aircan-discover', 'alsabat', 'alsaloop', 'alsamixer', 'alsatplg', 'alsaucm', 'anidi', 'gststreamer-codec-install', 'gst-stats-1.0', 'gst-tester-1.0', 'gst-typefind-1.0', 'gtbl', 'gtf', 'gtk4-builder-tool', 'gtk4-encode-symbolic-svg', 'gtk4-launch', 'gtk4-query-settings', 'gtk4-update-icon-cache', 'gtk-builder-tool', 'gtk-encode-symbolic-svg', 'gtk-launch', 'gtk-query-settings', 'gtk-update-icon-cache', 'pw-nidrecord', 'pw-mon', 'pw-play', 'pw-profiler', 'pw-record', 'pw-reserve', 'pw-top', 'pw-v4l2', 'py3clean', 'py3compile', 'py3versions', 'pydoc3', 'pydoc3.10', 'pygettext3', 'pygettext3.10', 'python3']
```

Bottom Screenshot:

```
root@user-Virtual-Machine: /dev
alsaucm  anidi  amixer  apg  apgbfn  aplay  aplaymidi  apport-bug  apport-cgi  apport-collect  apport-unpack  appres  appstreamcli  apropos  apt  apt-add-repository  apt-cache  apt-cdrom  apt-config  aptdcon  apt-extracttemplates  apt-ftparchive  apt-get  apt-key  apt-mark  apt-sortpkgs  apturl  apturl-gtk  arch  arecord  arecordmidi  armbpdl  aseqdump  aseqnet  aspell  aspell-import  atobm  avahi-browser  gstreamer-codec-install  gst-stats-1.0  gst-tester-1.0  gst-typefind-1.0  gtbl  gtf  gtk4-builder-tool  gtk4-encode-symbolic-svg  gtk4-launch  gtk4-query-settings  gtk4-update-icon-cache  gtk-builder-tool  gtk-encode-symbolic-svg  gtk-launch  gtk-query-settings  gtk-update-icon-cache  pw-nidrecord  pw-mon  pw-play  pw-profiler  pw-record  pw-reserve  pw-top  pw-v4l2  py3clean  py3compile  py3versions  pydoc3  pydoc3.10  pygettext3  pygettext3.10  python3  python3.10  python3-futureize  python3-pasteurize  pzdtd  qpdfdecode  qvtrks-handler  rbash  rcp  rctest  rdiffdir  rdna  readlink  realpath  red  remmina  remmina-file-wrapper  remmina-gnome  rendercheck  renice  reset  resizecons  resizepart  resolvectl  rev  rfcomm  rgrep  rhythmbox  rhythmbox-client  rlogin  rn  rndir  rnano  rootlesskit  rootlesskit-docker-proxy  routef  routel
```

```
Activities Terminal Ubuntu on 0B2660FAD0E31D8 Jan 23 14:40
root@user-Virtual-Machine: /dev
avahi-publish-address hp-setup rstart
avahi-publish-service hp-testpage rstartd
avahi-resolve hp-timedate rsync
avahi-resolve-address hwe-support-status rsync-ssl
avahi-resolve-host-name i386 rtstat
avahi-set-host-name i386 runc
avinfo i386 runcon
awk i386 run-mailcap
axfer i386 run-parts
b2sum i386 run-with-aspell
baobab i386 rview
base32 i386 rygel
base64 i386 sane-find-scanner
basename i386 saveLog
basenc i386 sbattach
bash i386 sbkeysync
bashbug i386 sblist
bc i386 sbstgn
bdfpcpf i386 sbvarsign
bdftruncate i386 sbverify
bitnap i386 scanImage
bluemoon i386 scp
bluetoothctl i386 scp-dbus-service
bluetooth-sendto i386 screendump
bntoa i386 script
boltsctl i386 scriptlive
bootctl i386 scriptreplay
brlty i386 sdff
brlty-ctb i386 sdptool
brlty-trtxt i386 seahorse
brlty-ttb i386 sed
broadwayd i386 see
browse i386 select-default-lwrap
btattach i386 select-editor
btngmt i386 sensible-browser
btmon i386 sensible-editor
bunzip2 i386 sensible-pager
busctl i386 seq
```

```
Activities Terminal Ubuntu on 0B2660FAD0E31D8 Jan 23 14:49
root@user-Virtual-Machine: /etc
dhcp libao.conf pulse usb_modeswitch.conf
dictionaries-common libaudit.conf python3 usb_modeswitch.d
docker libblockdev python3.10 vin
dpkg libbz2-1.0 rc0.d vtrgb
e2scrub.conf libcap2 rc1.d vulkan
enacs libcap2-headers rc2.d wgetrc
environment libcap2-bin rc3.d wpa_supplicant
environment.d libcap2-dev rc4.d x11
ethertypes libcap2-runtime rc5.d xattr.conf
firefox libcap2-test rc6.d xdg
fonts libcap2-utils rc7.d xorg
fprintd.conf logrotate.conf resolv.conf zsh_command_not_found
fstab logrotate.d rmt
root@user-Virtual-Machine: /etc# cat resolv.conf
# This is /run/systemd/resolve/stub-resolv.conf managed by man:systemd-resolved(8).
# Do not edit.
#
# This file might be symlinked as /etc/resolv.conf. If you're looking at
# /etc/resolv.conf and seeing this text, you have followed the symlink.
#
# This is a dynamic resolv.conf file for connecting local clients to the
# internal DNS stub resolver of systemd-resolved. This file lists all
# configured search domains.
#
# Run "resolvectl status" to see details about the uplink DNS servers
# currently in use.
#
# Third party programs should typically not access this file directly, but only
# through the symlink at /etc/resolv.conf. To manage man:resolv.conf(5) in a
# different way, replace this symlink by a static file or a different symlink.
#
# See man:systemd-resolved.service(8) for details about the supported modes of
# operation for /etc/resolv.conf.
nameserver 127.0.0.53
options edns0 trust-ad
search mshome.net
root@user-Virtual-Machine: /etc#
```

```
user@user-Virtual-Machine:~$ date --set="2020-06-02 12:30:15"
date: cannot set date: Operation not permitted
Tuesday 02 June 2020 12:30:15 PM IST
user@user-Virtual-Machine:~$ date --s="2020-06-02 12:30:15"
date: cannot set date: Operation not permitted
Tuesday 02 June 2020 12:30:15 PM IST
user@user-Virtual-Machine:~$ sudo date --s="2020-06-02 12:30:15"
[sudo] password for user:
Tuesday 02 June 2020 12:30:15 PM IST
user@user-Virtual-Machine:~$ reset
```

```

user@user-Virtual-Machine:~$ df -h | sort -k 4
/dev/sda3      124G   16G  103G   13% /
tmpfs          2.0G    0  2.0G    0% /dev/shm
tmpfs          392M   1.5M  391M    1% /run
tmpfs          392M  100K  392M    1% /run/user/1000
/dev/sda2      512M   6.1M  506M    2% /boot/efi
tmpfs          5.0M    0   5.0M    0% /run/lock
Filesystem      Size  Used Avail Use% Mounted on
user@user-Virtual-Machine:~$
163 ls luckyday/
164 cp -i *.txt luckyday/
165 ls
166 ls luckyday/
167 clear
168 cp -I *.txt luckyday/
169 clear
170 cp -p *.txt luckyday/
171 ls
172 ls luckyday/
173 cp -f *.txt luckyday/
174 ls
175 ls luckyday/
176 clear
177 cp -v *.txt luckyday/
178 cp -vv *.txt luckyday/
179 man cp | grep version
180 cp --version
181 cd luckyday/
182 ls -ltr
183 cd
184 cd luckyday/
185 cat ../file1.txt
186 cat >> ../file1.txt
187 cat ../file1.txt
188 cp -uv ../file1.txt file1.txt
189 cat file1.txt
190 cat >> file1.txt
191 cat file1.txt
192 cat ../file1.txt
193 cp -uv ../file1.txt file1.txt
194 history
195 cd
196 cd luckyday/
197 cd ..
198 cp luckyday/ onlytoday
199 cp -r luckyday/ onlytoday
200 ls onlytoday/
201 cp luckyday/* *onlytoday/

```

```

200 ls onlytoday/
201 cp luckyday/*. * onlytoday/
202 cp luckyday/*. * only/
203 mkdir only
204 cp luckyday/*. * only/
205 ls only
206 ls
207 cat file3.txt
208 cat file4.txt
209 cat >> file4.txt
210 cat file4.txt
211 cat >> file4.txt
212 cat > file4.txt
213 cat file4.txt
214 clear
215 mv file3.txt file4.txt
216 cat file4.txt
217 cat file3.txt
218 ls
219 mv -n file4.txt file3.txt
220 cat file3.txt
221 cat > file3.txt
222 cat file3.txt
223 mv -n file4.txt file3.txt
224 cat >> file4.txt
225 mv -n file4.txt file3.txt
226 cat file3.txt
227 cat file4.txt
228 clear
229 find . -file2.txt
230 find . -name file2.txt
231 find . -iname *.txt
232 find . -iname filr *.txt
233 clear
234 ls -ltr
235 find . -h -name dor
236 find . -name "*. *" -exec grep "ERROR" {} \;
237 find . -name "*. *" -exec grep "ERROR" {} \;

236 find . -name "*. *" -exec grep "ERROR" {} \;
237 find . -name "*. *" -exec grep "ERROR" {} \;
238 clear
239 echo "a" >> data.txt
240 echo "e" >> data.txt
241 echo "i" >> data.txt
242 echo "u" >> data.txt
243 echo "o" >> data.txt
244 echo "u" >> data.txt
245 echo "b" >> data.txt
246 echo "c" >> data.txt
247 echo "d" >> data.txt
248 echo "f" >> data.txt
249 echo "z" >> data.txt
250 echo data.txt
251 cat data.txt
252 sort data.txt
253 sort -u data.txt
254 sort -r data.txt
255 sort -k 2 data.txt
256 top
257 df -h
258 df -h | sort -k 4
259 df -h | sort -k 4n
260 df -h | sort -h -k 4n
261 df -h | sort -h -k 4
262 df -h | sort -h -k 5
263 history
user@user-Virtual-Machine:~$

```



```
Activities Terminal Ubuntu on 0B260FAD0E31D8 Jan 27 10:39
user@user-Virtual-Machine: ~
gnome-initial-setup:/run/gnome-initial-setup/
hplip:/run/hplip
gdm:/var/lib/gdm3
user:/home/user
user@user-Virtual-Machine:~$ cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mail List Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin
gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
systemd-network:x:100:102:systemd Network Management,,:/run/systemd:/usr/sbin/nologin
systemd-resolve:x:101:103:systemd Resolver,,:/run/systemd:/usr/sbin/nologin
messagebus:x:102:105:nonexistent:/usr/sbin/nologin
systemd-timesync:x:103:106:systemd Time Synchronization,,:/run/systemd:/usr/sbin/nologin
syslog:x:104:111:/home/syslog:/usr/sbin/nologin
apt:x:105:65534:nonexistent:/usr/sbin/nologin
tss:x:106:112:TPM software stack,,:/var/lib/tpm:/bin/false
uuidd:x:107:115:run/uuidd:/usr/sbin/nologin
systemd-oom:x:108:116:systemd Userspace OOM Killer,,:/run/systemd:/usr/sbin/nologin
tcpdump:x:109:117:nonexistent:/usr/sbin/nologin
avahi-autoipd:x:110:119:Avahi autoip daemon,,:/var/lib/avahi-autoipd:/usr/sbin/nologin
usbmux:x:111:46:usbmux daemon,,:/var/lib/usbmux:/usr/sbin/nologin
dnsmasq:x:112:65534:dnsmasq,,:/var/lib/misc:/usr/sbin/nologin
kernoops:x:113:65534:Kernel Oops Tracking Daemon,,:/usr/sbin/nologin
avahi:x:114:121:Avahi mDNS daemon,,:/run/avahi-daemon:/usr/sbin/nologin
sssd:/var/lib/sss:/usr/sbin/nologin
speech-dispatcher:/run/speech-dispatcher:/bin/false
fwupd-refresh:/run/systemd:/usr/sbin/nologin
nm-openvpn:/var/lib/openvpn/chroot:/usr/sbin/nologin
saned:/var/lib/saned:/usr/sbin/nologin
colord:/var/lib/colord:/usr/sbin/nologin
geoclue:/var/lib/geoclue:/usr/sbin/nologin
pulse:/run/pulse:/usr/sbin/nologin
gnome-initial-setup:/run/gnome-initial-setup:/bin/false
hplip:/run/hplip:/bin/false
gdm:/var/lib/gdm3:/bin/false
user:/home/user:/bin/bash
user@user-Virtual-Machine:~$ less /etc/passwd
user@user-Virtual-Machine:~$ head /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
user@user-Virtual-Machine:~$ head -n 12 /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
user@user-Virtual-Machine:~$
user@user-Virtual-Machine:~$ tail -f /etc/passwd
fwupd-refresh:x:120:126:fwupd-refresh user,,:/run/systemd:/usr/sbin/nologin
nm-openvpn:x:121:127:NetworkManager OpenVPN,,:/var/lib/openvpn/chroot:/usr/sbin/nologin
saned:x:122:129:var/lib/saned:/usr/sbin/nologin
colord:x:123:130:colord colour management daemon,,:/var/lib/colord:/usr/sbin/nologin
geoclue:x:124:131:var/lib/geoclue:/usr/sbin/nologin
pulse:x:125:132:PulseAudio daemon,,:/run/pulse:/usr/sbin/nologin
gnome-initial-setup:x:126:65534:/run/gnome-initial-setup:/bin/false
hplip:x:127:7:HPLIP system user,,:/run/hplip:/bin/false
gdm:x:128:134:Gnome Display Manager:/var/lib/gdm3:/bin/false
user:x:1000:1000:user,,:/home/user:/bin/bash
```

```
user@user-Virtual-Machine: ~/luckyday
Documents file2.txt luckyday onlytoday snap test1.txt Videos
user@user-Virtual-Machine: $ cd luckyday/
user@user-Virtual-Machine: ~/luckyday$ ls
file1.txt file2.txt file3.txt file4.txt test1.txt test2.txt test.txt
user@user-Virtual-Machine: ~/luckyday$ tar cvf file1.tar file1.txt
file1.txt
user@user-Virtual-Machine: ~/luckyday$ ls
file1.tar file1.txt file2.txt file3.txt file4.txt test1.txt test2.txt test.txt
user@user-Virtual-Machine: ~/luckyday$ ls -lTr
ls: command not found
user@user-Virtual-Machine: ~/luckyday$ tar xvf file1.tar
file1.txt
user@user-Virtual-Machine: ~/luckyday$ ls
file1.tar file1.txt file2.txt file3.txt file4.txt test1.txt test2.txt test.txt
user@user-Virtual-Machine: ~/luckyday$ cat file1.t
cat: file1.t: No such file or directory
user@user-Virtual-Machine: ~/luckyday$ cat file1.txt
hl
all
bye from parent
bye from lucky
user@user-Virtual-Machine: ~/luckyday$ df -hT
Filesystem      Type      Size  Used Avail Use% Mounted on
tmpfs           tmpfs     392M  1.5M 391M   1% /run
/dev/sda3       ext4      124G   16G 103G  13% /
tmpfs           tmpfs     2.0G    0 2.0G   0% /dev/shm
tmpfs           tmpfs     5.0M    0 5.0M   0% /run/lock
/dev/sda2       vfat      512M   6.1M 506M   2% /boot/efi
tmpfs           tmpfs     392M   96K 392M   1% /run/user/1000
user@user-Virtual-Machine: ~/luckyday$ ls
file1.tar file1.txt file2.txt file3.txt file4.txt test1.txt test2.txt test.txt
user@user-Virtual-Machine: ~/luckyday$ df -h
Filesystem      Size  Used Avail Use% Mounted on
tmpfs           392M  1.5M 391M   1% /run
/dev/sda3       124G   16G 103G  13% /
tmpfs           2.0G    0 2.0G   0% /dev/shm
tmpfs           5.0M    0 5.0M   0% /run/lock
/dev/sda2       512M   6.1M 506M   2% /boot/efi
tmpfs           392M   96K 392M   1% /run/user/1000
ser@user-Virtual-Machine: ~/luckyday$ ls
file1.tar file1.txt file2.txt file3.txt file4.txt test1.txt test2.txt test.txt
ser@user-Virtual-Machine: ~/luckyday$ cat file1.t
at: file1.t: No such file or directory
ser@user-Virtual-Machine: ~/luckyday$ cat file1.txt
i
ll
ye from parent
ye from lucky
ser@user-Virtual-Machine: ~/luckyday$ df -hT
Filesystem      Type      Size  Used Avail Use% Mounted on
tmpfs           tmpfs     392M  1.5M 391M   1% /run
/dev/sda3       ext4      124G   16G 103G  13% /
tmpfs           tmpfs     2.0G    0 2.0G   0% /dev/shm
tmpfs           tmpfs     5.0M    0 5.0M   0% /run/lock
/dev/sda2       vfat      512M   6.1M 506M   2% /boot/efi
tmpfs           tmpfs     392M   96K 392M   1% /run/user/1000
ser@user-Virtual-Machine: ~/luckyday$ ls
file1.tar file1.txt file2.txt file3.txt file4.txt test1.txt test2.txt test.txt
ser@user-Virtual-Machine: ~/luckyday$ df -h
Filesystem      Size  Used Avail Use% Mounted on
tmpfs           392M  1.5M 391M   1% /run
/dev/sda3       124G   16G 103G  13% /
tmpfs           2.0G    0 2.0G   0% /dev/shm
tmpfs           5.0M    0 5.0M   0% /run/lock
/dev/sda2       512M   6.1M 506M   2% /boot/efi
tmpfs           392M   96K 392M   1% /run/user/1000
ser@user-Virtual-Machine: ~/luckyday$ du -h
4K .
ser@user-Virtual-Machine: ~/luckyday$ du
4 .
ser@user-Virtual-Machine: ~/luckyday$ du -h
4K .
ser@user-Virtual-Machine: ~/luckyday$
```



```

user@user-Virtual-Machine:~/luckyday$ netstat -ru
Kernel IP routing table
Destination        Gateway           Genmask          Flags    MSS Window  irtt Iface
default            0b2660fad0e35d8  0.0.0.0          UG        0 0        0 eth0
link-local         0.0.0.0          255.255.0.0      U        0 0        0 eth0
172.18.0.0         0.0.0.0          255.255.0.0      U        0 0        0 docker0
192.168.240.0      0.0.0.0          255.255.240.0    U        0 0        0 eth0

user@user-Virtual-Machine:~/luckyday$ netstat -an | grep LISTEN
tcp        0      0 127.0.0.53:53         0.0.0.0:*        LISTEN
tcp        0      0 127.0.0.1:631         0.0.0.0:*        LISTEN
tcp6       0      0 :::1:631              :::*             LISTEN
unix 2      [ ACC ]     STREAM    LISTENING   10886      /tmp/.X11-unix/X1
unix 2      [ ACC ]     STREAM    LISTENING   11260      /tmp/.ICE-unix/1665
unix 2      [ ACC ]     STREAM    LISTENING   5732       /run/irqbalance/irqbalance483.sock
unix 2      [ ACC ]     STREAM    LISTENING   10069      /run/user/1000/systemd/private
unix 2      [ ACC ]     STREAM    LISTENING   10075      /run/user/1000/bus
unix 2      [ ACC ]     STREAM    LISTENING   10077      /run/user/1000/gnupg/S.dirmngr
unix 2      [ ACC ]     STREAM    LISTENING   10079      /run/user/1000/gnupg/S.gpg-agent.browser
unix 2      [ ACC ]     STREAM    LISTENING   10081      /run/user/1000/gnupg/S.gpg-agent.extra
unix 2      [ ACC ]     STREAM    LISTENING   10082      /run/user/1000/gnupg/S.gpg-agent.extra

user@user-Virtual-Machine:~/luckyday$ wget -O a.txt github.com
--2025-01-27 12:09:23-- http://github.com/
Resolving github.com (github.com)... 20.207.73.82
Connecting to github.com (github.com)|20.207.73.82|:80... connected.
HTTP request sent, awaiting response... 301 Moved Permanently
Location: https://github.com/ [following]
--2025-01-27 12:09:23-- https://github.com/
Connecting to github.com (github.com)|20.207.73.82|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: unspecified [text/html]
Saving to: 'a.txt'

a.txt                               [ <=> ] 273.22K --.-KB/s   in 0.1s

2025-01-27 12:09:24 (2.77 MB/s) - 'a.txt' saved [279779]

user@user-Virtual-Machine:~/luckyday$ cat a.txt

<!DOCTYPE html>
<html
  lang="en"
  data-color-mode="dark" data-dark-theme="dark"
  data-color-mode="light" data-light-theme="light" data-dark-theme="dark"
  data-a11y-animated-images="system" data-a11y-link-underlines="true"

>

<head>
  <meta charset="utf-8">
  <title> "dog" </title> <!-- "https://github.com" -->

user@user-Virtual-Machine:~/luckyday$ curl https://github.com -o git.html
% Total    % Received % Xferd Average Speed   Time    Time     Time  Current
           Dload Upload   Total   Spent    Left   Speed

100 273k    0 273k    0    0 1041k      0 --:--:-- --:--:-- --:--:-- 1042k

user@user-Virtual-Machine:~/luckyday$ cat git.html
user@user-Virtual-Machine:~/luckyday$ uname -a
Linux user-Virtual-Machine 6.8.0-51-generic #52~22.04.1-Ubuntu SMP PREEMPT_DYNAMIC Mon Dec 9 15:00:52 U
TC 2 x86_64 x86_64 x86_64 GNU/Linux
user@user-Virtual-Machine:~/luckyday$ who
user      :1                2025-01-27 10:31 (:1)
user@user-Virtual-Machine:~/luckyday$ whoami
user
user@user-Virtual-Machine:~/luckyday$

user@user-Virtual-Machine:~/luckyday$ unalias ll
user@user-Virtual-Machine:~/luckyday$ ll
ll: command not found
user@user-Virtual-Machine:~/luckyday$

```



```
user@user-Virtual-Machine: ~  
-rw-rw-r-- 1 user user 5 Jan 23 16:00 test2.txt  
-rw-rw-r-- 1 user user 54 Jan 24 10:50 test.txt  
-rw-rw-r-- 1 user user 11 Jan 24 11:28 file2.txt  
-rw-rw-r-- 1 user user 23 Jan 24 12:07 file1.txt  
drwxrwxr-x 2 user user 4096 Jan 24 14:59 onlytoday  
-rw-rw-r-- 1 user user 4096 Jan 24 15:02 only  
-rw-rw-r-- 1 user user 4 Jan 24 15:19 file3.txt  
-rw-rw-r-- 1 user user 7 Jan 24 15:19 file4.txt  
-rw-rw-r-- 1 user user 22 Jan 24 16:24 data.txt  
drwxrwxr-x 2 user user 4096 Jan 27 12:49 luckyday  
user@user-Virtual-Machine:~$ sudo chown root:root data.txt  
[sudo] password for user:  
user@user-Virtual-Machine:~$ ls -ltr  
total 84  
drwxr-xr-x 2 user user 4096 Dec 24 12:20 Videos  
drwxr-xr-x 2 user user 4096 Dec 24 12:20 Templates  
drwxr-xr-x 2 user user 4096 Dec 24 12:20 Public  
drwxr-xr-x 2 user user 4096 Dec 24 12:20 Pictures  
drwxr-xr-x 2 user user 4096 Dec 24 12:20 Music  
drwxr-xr-x 2 user user 4096 Dec 24 12:20 Downloads  
drwxr-xr-x 2 user user 4096 Dec 24 12:20 Documents  
drwxr-xr-x 2 user user 4096 Dec 24 12:20 Desktop  
drwx----- 4 user user 4096 Dec 24 12:21 snap  
drwxrwxr-x 2 user user 4096 Jan 23 12:21 test  
-rw-rw-r-- 1 user user 5 Jan 23 16:00 test1.txt  
-rw-rw-r-- 1 user user 5 Jan 23 16:00 test2.txt  
-rw-rw-r-- 1 user user 54 Jan 24 10:50 test.txt  
-rw-rw-r-- 1 user user 11 Jan 24 11:28 file2.txt  
-rw-rw-r-- 1 user user 23 Jan 24 12:07 file1.txt  
drwxrwxr-x 2 user user 4096 Jan 24 14:59 onlytoday  
drwxrwxr-x 2 user user 4096 Jan 24 15:02 only  
-rw-rw-r-- 1 user user 4 Jan 24 15:19 file3.txt  
-rw-rw-r-- 1 user user 7 Jan 24 15:19 file4.txt  
-rw-rw-r-- 1 root root 22 Jan 24 16:24 data.txt  
drwxrwxr-x 2 user user 4096 Jan 27 12:49 luckyday  
user@user-Virtual-Machine:~$ echo "hii" >> data.txt  
bash: data.txt: Permission denied  
user@user-Virtual-Machine:~$  
  
user@user-Virtual-Machine:~$ systemctl status docker.s  
Unit docker.s.service could not be found.  
user@user-Virtual-Machine:~$ systemctl status docker  
● docker.service - Docker Application Container Engine  
Loaded: loaded (/lib/systemd/system/docker.service; enabled; vendor preset: enabled)  
Active: active (running) since Mon 2025-01-27 14:37:13 IST; 34min ago  
TriggeredBy: ● docker.socket  
Docs: https://docs.docker.com  
Main PID: 688 (dockerd)  
Tasks: 9  
Memory: 104.1M  
CPU: 2.279s  
CGroup: /system.slice/docker.service  
└─688 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock  
  
Jan 27 14:37:12 user-Virtual-Machine dockerd[688]: time="2025-01-27T14:37:12.245224800+05:30" level=inf>  
Jan 27 14:37:12 user-Virtual-Machine dockerd[688]: time="2025-01-27T14:37:12.245627900+05:30" level=inf>  
Jan 27 14:37:12 user-Virtual-Machine dockerd[688]: time="2025-01-27T14:37:12.529863700+05:30" level=inf>  
Jan 27 14:37:12 user-Virtual-Machine dockerd[688]: time="2025-01-27T14:37:12.587217000+05:30" level=inf>  
Jan 27 14:37:13 user-Virtual-Machine dockerd[688]: time="2025-01-27T14:37:13.291815500+05:30" level=inf>  
Jan 27 14:37:13 user-Virtual-Machine dockerd[688]: time="2025-01-27T14:37:13.448138400+05:30" level=inf>  
Jan 27 14:37:13 user-Virtual-Machine dockerd[688]: time="2025-01-27T14:37:13.508004300+05:30" level=inf>  
Jan 27 14:37:13 user-Virtual-Machine dockerd[688]: time="2025-01-27T14:37:13.508995900+05:30" level=inf>  
Jan 27 14:37:13 user-Virtual-Machine dockerd[688]: time="2025-01-27T14:37:13.576454800+05:30" level=inf>  
Jan 27 14:37:13 user-Virtual-Machine systemd[1]: Started Docker Application Container Engine.  
lines 1-22/22 (END)
```

```
user@user-Virtual-Machine:~$ systemctl stop docker
user@user-Virtual-Machine:~$ systemctl status docker
Warning: Stopping docker.service, but it can still be activated by:
        docker.socket
user@user-Virtual-Machine:~$ systemctl status docker
● docker.service - Docker Application Container Engine
   Loaded: loaded (/lib/systemd/system/docker.service; enabled; vendor preset: enabled)
   Active: inactive (dead) since Mon 2025-01-27 15:13:54 IST; 5s ago
     Docs: https://docs.docker.com
   Process: 688 ExecStart=/usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock (code=0, status=0/SUCCESS)
    Main PID: 688 (code=exited, status=0/SUCCESS)
      CPU: 2.346s

Jan 27 14:37:13 user-Virtual-Machine dockerd[688]: time="2025-01-27T14:37:13.576454800+05:30" level=info msg="Starting Docker Application Container Engine"
Jan 27 14:37:13 user-Virtual-Machine systemd[1]: Started Docker Application Container Engine.
Jan 27 15:13:54 user-Virtual-Machine dockerd[688]: time="2025-01-27T15:13:54.812571220+05:30" level=info msg="Stopping Docker Application Container Engine"
Jan 27 15:13:54 user-Virtual-Machine systemd[1]: Stopping Docker Application Container Engine...
Jan 27 15:13:54 user-Virtual-Machine dockerd[688]: time="2025-01-27T15:13:54.815328229+05:30" level=info msg="Docker Application Container Engine stopped"
Jan 27 15:13:54 user-Virtual-Machine dockerd[688]: time="2025-01-27T15:13:54.816700334+05:30" level=info msg="Docker Application Container Engine stopped"
Jan 27 15:13:54 user-Virtual-Machine dockerd[688]: time="2025-01-27T15:13:54.817179435+05:30" level=info msg="Docker Application Container Engine stopped"
Jan 27 15:13:54 user-Virtual-Machine systemd[1]: docker.service: Deactivated successfully.
Jan 27 15:13:54 user-Virtual-Machine systemd[1]: Stopped Docker Application Container Engine.
Jan 27 15:13:54 user-Virtual-Machine systemd[1]: docker.service: Consumed 2.346s CPU time.
user@user-Virtual-Machine:~$ docker version
Client: Docker Engine - Community
 Version: 27.5.0
  API Version: 1.47
 Go version: go1.22.10
 Git commit: a187fa5
  Built: Mon Jan 13 15:24:49 2025
 OS/Arch: linux/amd64
 Context: default

permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Get "http://%2Fvar%2Frun%2Fdocker.sock/v1.47/version": dial unix /var/run/docker.sock: connect: permission denied
user@user-Virtual-Machine:~$ sudo systemctl disable docker
Synchronizing state of docker.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install disable docker
Removed /etc/systemd/system/multi-user.target.wants/docker.service.
user@user-Virtual-Machine:~$ systemctl status docker
● docker.service - Docker Application Container Engine
   Loaded: loaded (/lib/systemd/system/docker.service; disabled; vendor preset: enabled)
   Active: active (running) since Mon 2025-01-27 15:17:14 IST; 3min 50s ago
     Docs: https://docs.docker.com
   TriggeredBy: ● docker.socket
    Main PID: 5024 (dockerd)
      Tasks: 10
     Memory: 20.5M
        CPU: 746ms
    CGroup: /system.slice/docker.service
            └─5024 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock

Jan 27 15:17:13 user-Virtual-Machine dockerd[5024]: time="2025-01-27T15:17:13.429171375+05:30" level=info msg="Starting Docker Application Container Engine"
Jan 27 15:17:13 user-Virtual-Machine dockerd[5024]: time="2025-01-27T15:17:13.430795579+05:30" level=info msg="Starting Docker Application Container Engine"
Jan 27 15:17:13 user-Virtual-Machine dockerd[5024]: time="2025-01-27T15:17:13.547862213+05:30" level=info msg="Starting Docker Application Container Engine"
Jan 27 15:17:13 user-Virtual-Machine dockerd[5024]: time="2025-01-27T15:17:13.549544517+05:30" level=info msg="Starting Docker Application Container Engine"
Jan 27 15:17:14 user-Virtual-Machine dockerd[5024]: time="2025-01-27T15:17:14.096134874+05:30" level=info msg="Starting Docker Application Container Engine"
Jan 27 15:17:14 user-Virtual-Machine dockerd[5024]: time="2025-01-27T15:17:14.275458084+05:30" level=info msg="Starting Docker Application Container Engine"
Jan 27 15:17:14 user-Virtual-Machine dockerd[5024]: time="2025-01-27T15:17:14.311884188+05:30" level=info msg="Starting Docker Application Container Engine"
Jan 27 15:17:14 user-Virtual-Machine dockerd[5024]: time="2025-01-27T15:17:14.312218189+05:30" level=info msg="Starting Docker Application Container Engine"
Jan 27 15:17:14 user-Virtual-Machine dockerd[5024]: time="2025-01-27T15:17:14.356400915+05:30" level=info msg="Starting Docker Application Container Engine"
Jan 27 15:17:14 user-Virtual-Machine systemd[1]: Started Docker Application Container Engine.
user@user-Virtual-Machine:~$ ls -l
-rw-r--r-- 1 user user 4096 Jan 27 15:17 data.txt
-rw-r--r-- 1 user user 4096 Jan 27 15:17 Desktop
-rw-r--r-- 1 user user 4096 Jan 27 15:17 Documents
-rw-r--r-- 1 user user 4096 Jan 27 15:17 Downloads
-rw-r--r-- 1 user user 4096 Jan 27 15:17 file1.txt
-rw-r--r-- 1 user user 4096 Jan 27 15:17 file2.txt
-rw-r--r-- 1 user user 4096 Jan 27 15:17 file3.txt
-rw-r--r-- 1 user user 4096 Jan 27 15:17 file4.txt
-rw-r--r-- 1 user user 4096 Jan 27 15:17 luckyday
-rw-r--r-- 1 user user 4096 Jan 27 15:17 Music
-rw-r--r-- 1 user user 4096 Jan 27 15:17 myls
-rw-r--r-- 1 user user 4096 Jan 27 15:17 myls1
-rw-r--r-- 1 user user 4096 Jan 27 15:17 only
-rw-r--r-- 1 user user 4096 Jan 27 15:17 onlytoday
-rw-r--r-- 1 user user 4096 Jan 27 15:17 Pictures
-rw-r--r-- 1 user user 4096 Jan 27 15:17 Public
-rw-r--r-- 1 user user 4096 Jan 27 15:17 snap
-rw-r--r-- 1 user user 4096 Jan 27 15:17 Templates
-rw-r--r-- 1 user user 4096 Jan 27 15:17 test
-rw-r--r-- 1 user user 4096 Jan 27 15:17 test1.txt
-rw-r--r-- 1 user user 4096 Jan 27 15:17 test2.txt
-rw-r--r-- 1 user user 4096 Jan 27 15:17 test.txt
-rw-r--r-- 1 user user 4096 Jan 27 15:17 Videos
user@user-Virtual-Machine:~$
```



```
Activities Terminal Ubuntu on 0B7660FAD0E31D8 Jan 27 15:57 user@user-Virtual-Machine: ~ Videos user@user-Virtual-Machine:~$ ps -elf
```

F	S	UID	PID	PPID	C	PRI	NI	ADDR	SZ	WCHAN	STIME	TTY	TIME	CMD
4	S	root	1	0	0	80	0	-	42014	-	14:21	?	00:00:03	/sbin/init splash
1	S	root	2	0	0	80	0	-	0	-	14:21	?	00:00:00	[kthreadd]
1	S	root	3	2	0	80	0	-	0	-	14:21	?	00:00:00	[pool_workqueue_release]
1	I	root	4	2	0	60	-20	-	0	-	14:21	?	00:00:00	[kworker/R-rcu_g]
1	I	root	5	2	0	60	-20	-	0	-	14:21	?	00:00:00	[kworker/R-rcu_p]
1	I	root	6	2	0	60	-20	-	0	-	14:21	?	00:00:00	[kworker/R-slub_]
1	I	root	7	2	0	60	-20	-	0	-	14:21	?	00:00:00	[kworker/R-netns]
1	I	root	12	2	0	60	-20	-	0	-	14:21	?	00:00:00	[kworker/R-mm_pe]
1	I	root	13	2	0	80	0	-	0	-	14:21	?	00:00:00	[rcu_tasks_kthread]
1	I	root	14	2	0	80	0	-	0	-	14:21	?	00:00:00	[rcu_tasks_rude_kthread]
1	I	root	15	2	0	80	0	-	0	-	14:21	?	00:00:00	[rcu_tasks_trace_kthread]
1	S	root	16	2	0	80	0	-	0	-	14:21	?	00:00:00	[ksoftirqd/0]
1	I	root	17	2	0	80	0	-	0	-	14:21	?	00:00:02	[rcu_preempt]
1	S	root	18	2	0	-40	-	-	0	-	14:21	?	00:00:00	[migration/0]
1	S	root	19	2	0	9	-	-	0	-	14:21	?	00:00:00	[idle_inject/0]
1	S	root	20	2	0	80	0	-	0	-	14:21	?	00:00:00	[cpuhp/0]
1	S	root	21	2	0	80	0	-	0	-	14:21	?	00:00:00	[cpuhp/1]
1	S	root	22	2	0	9	-	-	0	-	14:21	?	00:00:00	[idle_inject/1]
1	S	root	23	2	0	-40	-	-	0	-	14:21	?	00:00:00	[migration/1]
1	S	root	24	2	0	80	0	-	0	-	14:21	?	00:00:00	[ksoftirqd/1]
1	I	root	26	2	0	60	-20	-	0	-	14:21	?	00:00:00	[kworker/1:0H-kblockd]
1	S	root	27	2	0	80	0	-	0	-	14:21	?	00:00:00	[cpuhp/2]
1	S	root	28	2	0	9	-	-	0	-	14:21	?	00:00:00	[idle_inject/2]
1	S	root	29	2	0	-40	-	-	0	-	14:21	?	00:00:00	[migration/2]
1	S	root	30	2	0	80	0	-	0	-	14:21	?	00:00:00	[ksoftirqd/2]
1	I	root	32	2	0	60	-20	-	0	-	14:21	?	00:00:00	[kworker/2:0H-events_high]
5	S	root	33	2	0	80	0	-	0	-	14:21	?	00:00:00	[kdevtmpfs]
1	I	root	34	2	0	60	-20	-	0	-	14:21	?	00:00:00	[kworker/R-inet_]
1	S	root	36	2	0	80	0	-	0	-	14:21	?	00:00:00	[kauditd]
1	S	root	38	2	0	80	0	-	0	-	14:21	?	00:00:00	[khungtaskd]
1	S	root	39	2	0	80	0	-	0	-	14:21	?	00:00:00	[oom_reaper]
1	I	root	40	2	0	60	-20	-	0	-	14:21	?	00:00:00	[kworker/R-write]
1	S	root	41	2	0	80	0	-	0	-	14:21	?	00:00:00	[kcompactd0]
1	S	root	42	2	0	85	5	-	0	-	14:21	?	00:00:00	[ksmd]
1	S	root	44	2	0	99	19	-	0	-	14:21	?	00:00:00	[khugepaged]

```
Activities Terminal Ubuntu on 0B7660FAD0E31D8 Jan 27 15:57 user@user-Virtual-Machine: ~ 4 R user 5872 2213 0 80 0 - 3168 - 15:56 pts/0 00:00:00 ps -elf user@user-Virtual-Machine:~$ ps -elf
```

UID	PID	PPID	LWP	C	NLWP	STIME	TTY	TIME	CMD
root	1	0	1	0	1	14:21	?	00:00:03	/sbin/init splash
root	2	0	2	0	1	14:21	?	00:00:00	[kthreadd]
root	3	2	3	0	1	14:21	?	00:00:00	[pool_workqueue_release]
root	4	2	4	0	1	14:21	?	00:00:00	[kworker/R-rcu_g]
root	5	2	5	0	1	14:21	?	00:00:00	[kworker/R-rcu_p]
root	6	2	6	0	1	14:21	?	00:00:00	[kworker/R-slub_]
root	7	2	7	0	1	14:21	?	00:00:00	[kworker/R-netns]
root	12	2	12	0	1	14:21	?	00:00:00	[kworker/R-mm_pe]
root	13	2	13	0	1	14:21	?	00:00:00	[rcu_tasks_kthread]
root	14	2	14	0	1	14:21	?	00:00:00	[rcu_tasks_rude_kthread]
root	15	2	15	0	1	14:21	?	00:00:00	[rcu_tasks_trace_kthread]
root	16	2	16	0	1	14:21	?	00:00:00	[ksoftirqd/0]
root	17	2	17	0	1	14:21	?	00:00:02	[rcu_preempt]
root	18	2	18	0	1	14:21	?	00:00:00	[migration/0]
root	19	2	19	0	1	14:21	?	00:00:00	[idle_inject/0]
root	20	2	20	0	1	14:21	?	00:00:00	[cpuhp/0]
root	21	2	21	0	1	14:21	?	00:00:00	[cpuhp/1]
root	22	2	22	0	1	14:21	?	00:00:00	[idle_inject/1]
root	23	2	23	0	1	14:21	?	00:00:00	[migration/1]
root	24	2	24	0	1	14:21	?	00:00:00	[ksoftirqd/1]
root	26	2	26	0	1	14:21	?	00:00:00	[kworker/1:0H-kblockd]
root	27	2	27	0	1	14:21	?	00:00:00	[cpuhp/2]
root	28	2	28	0	1	14:21	?	00:00:00	[idle_inject/2]
root	29	2	29	0	1	14:21	?	00:00:00	[migration/2]
root	30	2	30	0	1	14:21	?	00:00:00	[ksoftirqd/2]
root	32	2	32	0	1	14:21	?	00:00:00	[kworker/2:0H-events_highpri]
root	33	2	33	0	1	14:21	?	00:00:00	[kdevtmpfs]
root	34	2	34	0	1	14:21	?	00:00:00	[kworker/R-inet_]
root	36	2	36	0	1	14:21	?	00:00:00	[kauditd]
root	38	2	38	0	1	14:21	?	00:00:00	[khungtaskd]
root	39	2	39	0	1	14:21	?	00:00:00	[oom_reaper]
root	40	2	40	0	1	14:21	?	00:00:00	[kworker/R-write]
root	41	2	41	0	1	14:21	?	00:00:00	[kcompactd0]
root	42	2	42	0	1	14:21	?	00:00:00	[ksmd]
root	44	2	44	0	1	14:21	?	00:00:00	[khugepaged]


```
PS C:\Users\Administrator> Start-VM -Name "Ubuntu" -Passthru

Name      State      CPUUsage(%) MemoryAssigned(M) Uptime      Status      Version
-----
Ubuntu Running 0          0                00:00:00 Operating normally 9.0

PS C:\Users\Administrator> ssh user@172.29.46.109
user@172.29.46.109's password:
Welcome to Ubuntu 22.04.2 LTS (GNU/Linux 6.8.0-51-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

 * Introducing Expanded Security Maintenance for Applications.
   Receive updates to over 25,000 software packages with your
   Ubuntu Pro subscription. Free for personal use.
   https://ubuntu.com/pro

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update
New release '24.04.1 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Mon Jan 27 17:38:41 2025 from 172.29.32.1
user@user-virtual-machine:~$ ls
Administrator@MINGW64:~$ ssh user@172.29.46.109
$ ssh user@172.29.46.109
The authenticity of host '172.29.46.109 (172.29.46.109)' can't be established.
ED25519 key fingerprint is SHA256:a7pddcCzy2VT72037AcEsdrzeYX/8ImF3R7s1Ts7sFU.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? y
Please type 'yes', 'no' or the fingerprint: y
Please type 'yes', 'no' or the fingerprint: yes
Warning: Permanently added '172.29.46.109' (ED25519) to the list of known hosts.
user@172.29.46.109's password:
Welcome to Ubuntu 22.04.2 LTS (GNU/Linux 6.8.0-51-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

 * Introducing Expanded Security Maintenance for Applications.
   Receive updates to over 25,000 software packages with your
   Ubuntu Pro subscription. Free for personal use.
   https://ubuntu.com/pro

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

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.

user@user-virtual-machine:~$ ls
data.txt  file2.txt  Music      onlytoday  Templates  Videos
Desktop  file3.txt  myls      password.txt.txt  test
Documents file4.txt  myls1     Pictures    test1.txt
Downloads hii.txt   newpasswd.txt.txt  Public      test2.txt
file1.txt luckyday  only       snap        test.txt

user@user-virtual-machine:~$ history
1 sudo apt update
2 curl -fsSL https://get.docker.com -o get-docker.sh
3 curl -fsSL https://get.docker.com -o get-docker.sh
4 sudo su
```

```
Administrator: Windows PowerShell
PS C:\Users\Administrator> scp .\acting.tct user@172.29.46.109:/home/user
user@172.29.46.109's password:
acting.tct
PS C:\Users\Administrator> ssh user@172.29.46.109
user@172.29.46.109's password:
Welcome to Ubuntu 22.04.2 LTS (GNU/Linux 6.8.0-51-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

 * Introducing Expanded Security Maintenance For Applications.
   Receive updates to over 25,000 software packages with your
   Ubuntu Pro subscription. Free for personal use.

   https://ubuntu.com/pro

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update
New release '24.04.1 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Tue Jan 28 09:39:00 2025 from 172.29.32.1
user@user-virtual-machine:~$ ls acting.tct
acting.tct
user@user-virtual-machine:~$ exit
logout
Connection to 172.29.46.109 closed.
PS C:\Users\Administrator> scp user@172.29.46.109:/home/user/acting.tct myacting.txt
user@172.29.46.109's password:
acting.tct
PS C:\Users\Administrator> ls .\myacting.txt

Directory: C:\Users\Administrator

Mode                LastWriteTime         Length Name
----                -
-a-----         28-01-2025         10:14             30 myacting.txt

PS C:\Users\Administrator> cat ..\My Documents\
cat : Could not find a part of the path 'C:\Users\Administrator\My Documents\'.

```

```
user@user-Virtual-Machine:~$ cut -c 2-3 newtask.txt
```

bo
ae
in
ys
yn
am
an
o
ai
ew
uc
ro
ww
ac
is
rc
na
ob
ys
ys
es
ys
ys
ap
ss
ui
ys
cp
va
sb
ns
er
va
up
tk
ho
ss
pe
wu
m-
an
ol
eo
ul
no
ol
dm
se
sh

```
user@user-Virtual-Machine:~$
```