


Task 1,2,3,4

 MINGW64:/d/Amazon-Atlas-Training/linux_practice

```
Administrator@a8081980c37d52f MINGW64 /d
$ mkdir Amazon-Atlas-Training

Administrator@a8081980c37d52f MINGW64 /d
$ cd Amazon-Atlas-Training/

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training
$ mkdri linux_practice
bash: mkdri: command not found

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training
$ mkdir linux_practice

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training
$ cd linux_practice/

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ vim TestFile1.txt

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ touch TestFile2.txt

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ ls
TestFile1.txt  TestFile2.txt

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ mkdir dummy

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ ls
TestFile1.txt  TestFile2.txt  dummy/

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ rm dummy/
rm: cannot remove 'dummy/': Is a directory

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ rm dummy
rm: cannot remove 'dummy': Is a directory

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ rmdir dummy/

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ wsl
Windows Subsystem for Linux has no installed distributions.
You can resolve this by installing a distribution with the instructions below:

Use 'wsl.exe --list --online' to list available distributions
and 'wsl.exe --install <Distro>' to install.

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ rmdir dummy

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ ls
TestFile1.txt  TestFile2.txt

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$
```

Task 5,6,7,8,9,10

```
$ cd ..

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training
$ mkdir linux_practice_copy

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training
$ cp -a linux_practice linux_practice_copy/

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training
$ cd linux_practice_copy/

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice_co
py
$ ls
linux_practice/

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice_co
py
$ cd ..

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training
$ cd linux_practice

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ cd ..

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training
$ mkdir linu_practice_copy_2

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training
$ mv linux_practice_copy/* linux_practice_copy_2

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training
$ ls
linu_practice_copy_2/  linux_practice_copy/
linux_practice/       linux_practice_copy_2/

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training
$ ls -l
total 8
drwxr-xr-x 1 Administrator 197121 0 May 30 12:31 linu_practice_copy_2/
drwxr-xr-x 1 Administrator 197121 0 May 30 12:26 linux_practice/
drwxr-xr-x 1 Administrator 197121 0 May 30 12:33 linux_practice_copy/
drwxr-xr-x 1 Administrator 197121 0 May 30 12:26 linux_practice_copy_2/

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training
$ rmdir linu_practice_copy_2/

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training
$ ls -l
total 8
drwxr-xr-x 1 Administrator 197121 0 May 30 12:26 linux_practice/
drwxr-xr-x 1 Administrator 197121 0 May 30 12:33 linux_practice_copy/
drwxr-xr-x 1 Administrator 197121 0 May 30 12:26 linux_practice_copy_2/

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training
$ cd linux_practice_copy

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice_co
py
$ ls
```

```
py
$ cd ..

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training
$ cd linux_practice_copy_2/

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice_co
py_2
$ ls
TestFile1.txt  testfile3.txt  testfile5.txt
TestFile2.txt  testfile4.txt  testfile6.txt

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice_co
py_2
$ cd ..

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training
$ rm linux_practice_copy
rm: cannot remove 'linux_practice_copy': Is a directory

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training
$ rm -d linux_practice_copy

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training
$ mkdir linux_practice_copy

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training
$ rmdir linux_practice_copy

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training
$ ls
linux_practice/  linux_practice_copy_2/

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training
$ cd linux_practice

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ ls
TestFile1.txt  testfile3.txt  testfile5.txt
TestFile2.txt  testfile4.txt  testfile6.txt

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ cat newfile.txt
cat: newfile.txt: No such file or directory

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ ls
TestFile1.txt  testfile3.txt  testfile5.txt
TestFile2.txt  testfile4.txt  testfile6.txt

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ cat >newfile.txt
Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem
Ipsum has been the industry's standard dummy text ever since the 1500s, when an
unknown printer took a galley of type and scrambled it to make a type specimen
book. It has survived not only five centuries, but also the leap into electronic
typesetting, remaining essentially unchanged. It was popularised in the 1960s w
ith the release of Letraset sheets containing Lorem Ipsum passages, and more rec
ently with desktop publishing software like Aldus PageMaker including versions o
f Lorem Ipsum

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
```

Task 11,12,13,14

```
Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ head newfile.txt
Lorem Ipsum is simply
dummy text of the
printing and typesetting
industry. Lorem Ipsum
has been the industry's
standard dummy text ever
since the 1500s, when an
unknown printer took a
galley of type and scrambled
it to make a type specimen book.

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ head -n 11 newfile.txt
Lorem Ipsum is simply
dummy text of the
printing and typesetting
industry. Lorem Ipsum
has been the industry's
standard dummy text ever
since the 1500s, when an
unknown printer took a
galley of type and scrambled
it to make a type specimen book.
It has survived not

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ tail newfile.txt
but also the leap into
electronic typesetting, remaining
essentially unchanged. It was
popularised in the 1960s with the
release of Letraset sheets containing
Lorem Ipsum passages, and
more recently with desktop publishing
software like Aldus
PageMaker including versions
of Lorem Ipsum

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ tail -n 15 newfile.txt
unknown printer took a
galley of type and scrambled
it to make a type specimen book.
It has survived not
only five centuries,
but also the leap into
electronic typesetting, remaining
essentially unchanged. It was
popularised in the 1960s with the
release of Letraset sheets containing
Lorem Ipsum passages, and
more recently with desktop publishing
software like Aldus
PageMaker including versions
of Lorem Ipsum

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ less newfile.txt
```

Task 15,16,17,18

```
MINGW64; d/Amazon-Atlas-Training/linux_practice

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ ls
TestFile1.txt TestFile2.txt newfile.txt testfile3.txt testfile4.txt testfile5.txt testfile6.txt

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ ls -l
total 2
-rw-r--r-- 1 Administrator 197121 34 May 30 12:21 TestFile1.txt
-rw-r--r-- 1 Administrator 197121 0 May 30 12:26 TestFile2.txt
-rw-r--r-- 1 Administrator 197121 595 May 30 12:44 newfile.txt
-rw-r--r-- 1 Administrator 197121 0 May 30 12:26 testfile3.txt
-rw-r--r-- 1 Administrator 197121 0 May 30 12:26 testfile4.txt
-rw-r--r-- 1 Administrator 197121 0 May 30 12:26 testfile5.txt
-rw-r--r-- 1 Administrator 197121 0 May 30 12:26 testfile6.txt

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ touch touch_file.txt

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ cat >cat_file.txt
this is cat file

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ echo "this is echo file" >echo_file.txt

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ ls
TestFile1.txt TestFile2.txt cat_file.txt echo_file.txt newfile.txt testfile3.txt testfile4.txt testfile5.txt testfile6.txt

Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ |
```

touch:

This command primarily creates a new, empty file if one doesn't already exist at the specified path. It can also update the modification timestamp of an existing file.

cat:

The cat command, short for "concatenate," is used to display the contents of one or more files. It can also be used to combine the contents of multiple files into a single file.

echo:

The echo command is a built-in command that displays lines of text or strings. It's commonly used in shell scripts to output status messages or variable values.

Task 19

```
Preparing to unpack .../archives/ncal_12.1.8_amd64.deb ...
Unpacking ncal (12.1.8) ...
Setting up ncal (12.1.8) ...
Processing triggers for man-db (2.12.0-4build2) ...
root@a8081980c37d52f:/home/administrator# cal
    May 2025
Su Mo Tu We Th Fr Sa
                1  2  3   d, but can be installed with:
 4  5  6  7  8  9 10
11 12 13 14 15 16 17   home/administrator# apt install ncal
18 19 20 21 22 23 24   .. Done
25 26 27 28 29 30 31   ee... Done
                        ion... Done
root@a8081980c37d52f:/home/administrator#
root@a8081980c37d52f:/home/administrator#
root@a8081980c37d52f:/home/administrator#   and 111 not upgraded.
root@a8081980c37d52f:/home/administrator#
root@a8081980c37d52f:/home/administrator#   1 disk space will be used.
root@a8081980c37d52f:/home/administrator#   le/universe amd64 ncal amd64 12.1.8 [21.0 kB]
root@a8081980c37d52f:/home/administrator#
root@a8081980c37d52f:/home/administrator#
root@a8081980c37d52f:/home/administrator#
root@a8081980c37d52f:/home/administrator#
root@a8081980c37d52f:/home/administrator#
root@a8081980c37d52f:/home/administrator# cal
    May 2025
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

root@a8081980c37d52f:/home/administrator# _
```

Task 20 - cd ..

Task 21,22

```
administrator
vaishakh
root@a8081980c37d52f:/home/administrator# su -vaishakh
su: invalid option -- 'v'
Try 'su --help' for more information.
root@a8081980c37d52f:/home/administrator# su - vaishakh
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.6.87.1-microsoft-standard-WSL2 x86_64)

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

System information as of Fri May 30 08:09:42 UTC 2025

System load:  0.0               Processes:            36
Usage of /:   0.2% of 1006.85GB Users logged in:          1
Memory usage: 4%               IPv4 address for eth0: 172.24.188.111
Swap usage:   0%

 * Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
   just raised the bar for easy, resilient and secure K8s cluster deployment.

https://ubuntu.com/engage/secure-kubernetes-at-the-edge

This message is shown once a day. To disable it please create the
/home/vaishakh/.hushlogin file.
vaishakh@a8081980c37d52f:~$ whoami
vaishakh
vaishakh@a8081980c37d52f:~$
```

Task 23

```
vaishakh@a8081980c37d52f: ~
vaishakh@a8081980c37d52f:~$ df -h
Filesystem      Size  Used Avail Use% Mounted on
none            3.9G  0      3.9G   0% /usr/lib/modules/6.6.87.1-microsoft-standard-WSL2
none            3.9G  4.0K   3.9G   1% /mnt/wsl
drivers         150G   59G   92G   40% /usr/lib/wsl/drivers
/dev/sdd        1007G  1.9G  954G   1% /
none            3.9G   96K   3.9G   1% /mnt/wslg
none            3.9G   0      3.9G   0% /usr/lib/wsl/lib
rootfs          3.9G  2.7M   3.9G   1% /init
none            3.9G  484K   3.9G   1% /run
none            3.9G   0      3.9G   0% /run/lock
none            3.9G   0      3.9G   0% /run/shm
none            3.9G   76K   3.9G   1% /mnt/wslg/versions.txt
none            3.9G   76K   3.9G   1% /mnt/wslg/doc
C:\             150G   59G   92G   40% /mnt/c
D:\             200G   26G   175G   13% /mnt/d
tmpfs            3.9G   16K   3.9G   1% /run/user/1000
tmpfs            795M   16K   795M   1% /run/user/0
vaishakh@a8081980c37d52f:~$
```

Task 24 -

```
Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/linux_practice
$ ls -l
total 4
-rw-r--r-- 1 Administrator 197121 34 May 30 12:21 TestFile1.txt
-rw-r--r-- 1 Administrator 197121 0 May 30 12:26 TestFile2.txt
-rw-r--r-- 1 Administrator 197121 17 May 30 13:15 cat_file.txt
-rw-r--r-- 1 Administrator 197121 18 May 30 13:17 echo_file.txt
-rw-r--r-- 1 Administrator 197121 595 May 30 12:44 newfile.txt
drwxr-xr-x 1 Administrator 197121 0 May 30 16:38 test/
-rw-r--r-- 1 Administrator 197121 0 May 30 12:26 testfile3.txt
-rw-r--r-- 1 Administrator 197121 0 May 30 12:26 testfile4.txt
-rw-r--r-- 1 Administrator 197121 0 May 30 12:26 testfile5.txt
-rw-r--r-- 1 Administrator 197121 0 May 30 12:26 testfile6.txt
-rw-r--r-- 1 Administrator 197121 0 May 30 13:14 touch_file.txt
```

Task 25,26 - ls *.txt

```
vaishakh@a8081980c37d52f:~$ ls -a
.  .. .bash_logout .bashrc .landscape .motd_shown .profile
vaishakh@a8081980c37d52f:~$ mkdir Atlas-training
vaishakh@a8081980c37d52f:~$ cd Atlas-training/
vaishakh@a8081980c37d52f:~/Atlas-training$ touch file1.txt file2.py file3.c file4.txt file5.java
vaishakh@a8081980c37d52f:~/Atlas-training$ ls
file1.txt file2.py file3.c file4.txt file5.java
vaishakh@a8081980c37d52f:~/Atlas-training$ ls *.txt
file1.txt file4.txt
vaishakh@a8081980c37d52f:~/Atlas-training$
```

Task 27 - In Linux, the dot (.) represents the current directory, while ".." represents the parent directory

Task 28 -

```
vaishakh@a8081980c37d52f: ~/Atlas-training  
this is test file 2  
I have pressed 'i' to start typing here  
Next I will be pressing 'esc', followed by ':wq' to save the content  
~  
~  
~  
~  
~  
~  
~  
~  
~  
~  
~  
~  
~
```

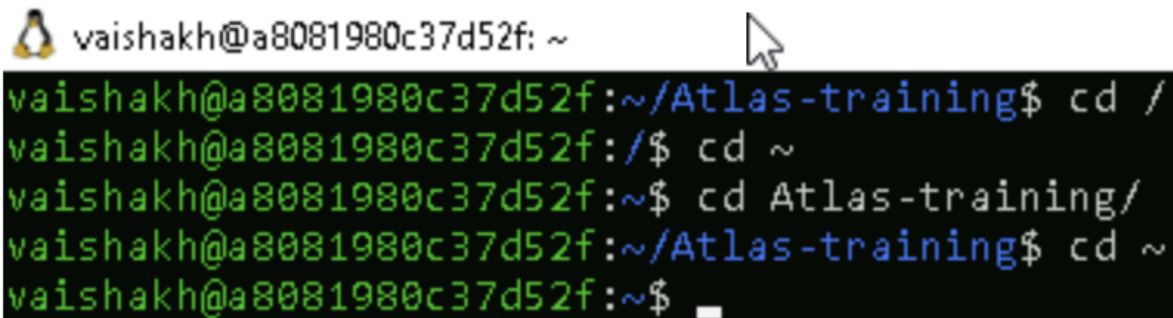

Task 29,30 - use of cat -b is it displays the file content along with line no.s

```
vaishakh@a8081980c37d52f: ~/Atlas-training
vaishakh@a8081980c37d52f:~/Atlas-training$ ls
file1.txt file2.py file3.c file4.txt file5.java test.txt test2.txt
vaishakh@a8081980c37d52f:~/Atlas-training$ wc test2.txt
  3  26 130 test2.txt
vaishakh@a8081980c37d52f:~/Atlas-training$ wc -l test
test.txt  test2.txt
vaishakh@a8081980c37d52f:~/Atlas-training$ wc -l test2.txt
wc: invalid option -- '1'
Try 'wc --help' for more information.
vaishakh@a8081980c37d52f:~/Atlas-training$ wc -l test2.txt
3 test2.txt
vaishakh@a8081980c37d52f:~/Atlas-training$ wc -w test2.txt
26 test2.txt
vaishakh@a8081980c37d52f:~/Atlas-training$ wc -c test2.txt
130 test2.txt
vaishakh@a8081980c37d52f:~/Atlas-training$ wc -m test2.txt
130 test2.txt
vaishakh@a8081980c37d52f:~/Atlas-training$ cat -b test2.txt
  1  this is test file 2
  2  I have pressed 'i' to start typing here
  3  Next I will be pressing 'esc', followed by ':wq' to save the conten:t
vaishakh@a8081980c37d52f:~/Atlas-training$
```

Task 31,32,33,34

```
vaishakh@a8081980c37d52f: ~/Atlas-training
vaishakh@a8081980c37d52f:~/Atlas-training$ wc test2.txt file1.txt
  3  26 130 test2.txt
  1   2  10 file1.txt
  4  28 140 total
vaishakh@a8081980c37d52f:~/Atlas-training$ cp test2.txt newfile.txt
vaishakh@a8081980c37d52f:~/Atlas-training$ cat newfile.txt
this is test file 2
I have pressed 'i' to start typing here
Next I will be pressing 'esc', followed by ':wq' to save the conten:t
vaishakh@a8081980c37d52f:~/Atlas-training$ cat test2.txt
this is test file 2
I have pressed 'i' to start typing here
Next I will be pressing 'esc', followed by ':wq' to save the conten:t
vaishakh@a8081980c37d52f:~/Atlas-training$ ls
file1.txt file2.py file3.c file4.txt file5.java newfile.txt test.txt test2.txt
vaishakh@a8081980c37d52f:~/Atlas-training$ mv newfile.txt renamed.txt
vaishakh@a8081980c37d52f:~/Atlas-training$ ls
file1.txt file2.py file3.c file4.txt file5.java renamed.txt test.txt test2.txt
vaishakh@a8081980c37d52f:~/Atlas-training$ rm file3.c file5.java file2.py
vaishakh@a8081980c37d52f:~/Atlas-training$ ls
file1.txt file4.txt renamed.txt test.txt test2.txt
vaishakh@a8081980c37d52f:~/Atlas-training$
```

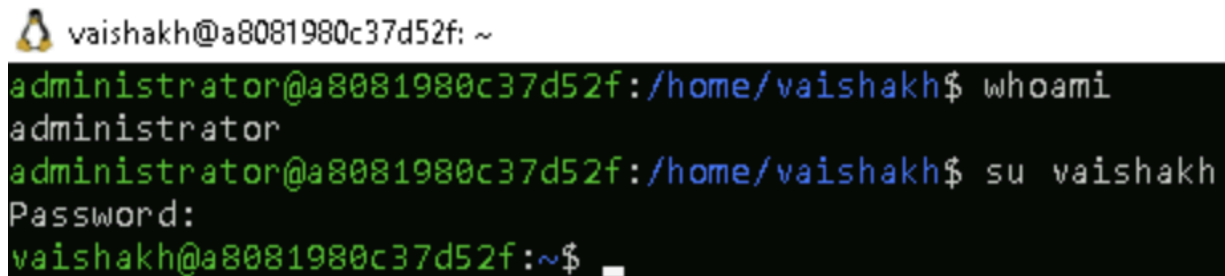
Task 35,36 - `cd /` takes you to the very top of the file system, while `cd ~` takes you to your user's personal folder.



A terminal window showing a user named 'vaishakh' on a system with IP 'a8081980c37d52f'. The prompt is '~'. The user enters `cd /` and the prompt changes to `~/Atlas-training$`. Then the user enters `cd ~` and the prompt changes to `/$`. Next, the user enters `cd Atlas-training/` and the prompt changes to `~/Atlas-training$`. Finally, the user enters `cd ~` and the prompt changes to `~$`. A mouse cursor is visible over the prompt area.

```
vaishakh@a8081980c37d52f: ~  
vaishakh@a8081980c37d52f:~/Atlas-training$ cd /  
vaishakh@a8081980c37d52f:/$ cd ~  
vaishakh@a8081980c37d52f:~$ cd Atlas-training/  
vaishakh@a8081980c37d52f:~/Atlas-training$ cd ~  
vaishakh@a8081980c37d52f:~$
```

Task 37



A terminal window showing a user named 'vaishakh' on a system with IP 'a8081980c37d52f'. The prompt is '~'. The user enters `whoami` and the output is `administrator`. Then the user enters `su vaishakh` and is prompted for a password. After entering the password, the prompt changes to `~$`.

```
vaishakh@a8081980c37d52f: ~  
administrator@a8081980c37d52f:/home/vaishakh$ whoami  
administrator  
administrator@a8081980c37d52f:/home/vaishakh$ su vaishakh  
Password:  
vaishakh@a8081980c37d52f:~$
```

Task 38

password:

```
administrator@a8081980c37d52f:/home/vaishakh$ history
```

```
 1  ls
 2  pwd
 3  sudo su
 4  whoami
 5  date
 6  users
 7  wsl
 8  sudo adduser "vaishakh"
 9  users
10  sudo su
11  users
12  history
```

```
administrator@a8081980c37d52f:/home/vaishakh$ _
```