

```
neethushanavas@DESKTOP-AOAN36U: ~/parent
neethu123@DESKTOP-AOAN36U:~$ sudo adduser neethushanavas
Adding user `neethushanavas' ...
Adding new group `neethushanavas' (1031) ...
Adding new user `neethushanavas' (1027) with group `neethushanavas' ...
Creating home directory `/home/neethushanavas' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for neethushanavas
Enter the new value, or press ENTER for the default
    Full Name []:
    Room Number []:
    Work Phone []:
    Home Phone []:
    Other []:
Is the information correct? [Y/n] y
neethu123@DESKTOP-AOAN36U:~$ pwd
/home/neethu123
neethu123@DESKTOP-AOAN36U:~$ su neethushanavas
Password:
neethushanavas@DESKTOP-AOAN36U:/home/neethu123$ cd
neethushanavas@DESKTOP-AOAN36U:~$ pwd
/home/neethushanavas
neethushanavas@DESKTOP-AOAN36U:~$ ls
neethushanavas@DESKTOP-AOAN36U:~$ mkdir textfile
neethushanavas@DESKTOP-AOAN36U:~$ cd textfile
neethushanavas@DESKTOP-AOAN36U:~/textfile$ touch mt.txt
neethushanavas@DESKTOP-AOAN36U:~/textfile$ touch tx.txt
neethushanavas@DESKTOP-AOAN36U:~/textfile$ mv mt.txt /home/neethushanavas ..
mv: cannot move '/home/neethushanavas' to '../neethushanavas': Permission denied
neethushanavas@DESKTOP-AOAN36U:~/textfile$ cd ..
neethushanavas@DESKTOP-AOAN36U:~$ ls
mt.txt  textfile
```

```
neethushanavas@DESKTOP-AOAN36U:~$ cd textfile
neethushanavas@DESKTOP-AOAN36U:~/textfile$ ls
tx.txt
neethushanavas@DESKTOP-AOAN36U:~/textfile$ cd ..
neethushanavas@DESKTOP-AOAN36U:~$ cp mt.txt textfile
neethushanavas@DESKTOP-AOAN36U:~$ cd textfile
neethushanavas@DESKTOP-AOAN36U:~/textfile$ ls
mt.txt tx.txt
neethushanavas@DESKTOP-AOAN36U:~/textfile$ cd ..
neethushanavas@DESKTOP-AOAN36U:~$ history
 1 cd
 2 pwd
 3 ls
 4 mkdir textfile
 5 cd textfile
 6 touch mt.txt
 7 touch tx.txt
 8 mv mt.txt /home/neethushanavas ..
 9 cd ..
10 ls
11 cd textfile
12 ls
13 cd ..
14 cp mt.txt textfile
15 cd textfile
16 ls
17 cd ..
18 history
neethushanavas@DESKTOP-AOAN36U:~$ cd /
neethushanavas@DESKTOP-AOAN36U:/$ cd usr
neethushanavas@DESKTOP-AOAN36U:/usr$ ls
bin  config  games  include  lib  lib32  lib64  libexec  libx32  local  shin  share  src
neethushanavas@DESKTOP-AOAN36U:/usr$ cd
neethushanavas@DESKTOP-AOAN36U:~$ mkdir -p parent/child
```

```
neethushanavas@DESKTOP-A0AN36U:~/parent$ cd
neethushanavas@DESKTOP-A0AN36U:~$ mkdir -p parent/child
neethushanavas@DESKTOP-A0AN36U:~$ ls
mt.txt  parent  textfile
neethushanavas@DESKTOP-A0AN36U:~$ cd parent
neethushanavas@DESKTOP-A0AN36U:~/parent$ ls
child
neethushanavas@DESKTOP-A0AN36U:~/parent$ echo "hello" > mytext.txt
neethushanavas@DESKTOP-A0AN36U:~/parent$ cat mytext.txt
hello
neethushanavas@DESKTOP-A0AN36U:~/parent$ echo "hii" > mytext1.txt
neethushanavas@DESKTOP-A0AN36U:~/parent$ cat my*
hello
hii
neethushanavas@DESKTOP-A0AN36U:~/parent$ cat mytext.txt mytext1.txt
hello
hii
neethushanavas@DESKTOP-A0AN36U:~/parent$ cat my* > mix.txt
neethushanavas@DESKTOP-A0AN36U:~/parent$ cat mix.txt
hello
hii
neethushanavas@DESKTOP-A0AN36U:~/parent$ echo "now,we are appending this line to a file named mix in the directory parent
>
> q
>
> ^C
neethushanavas@DESKTOP-A0AN36U:~/parent$ echo "now,we are appending this line to a file named mix in the directory parent" >> mix.txt
neethushanavas@DESKTOP-A0AN36U:~/parent$ cat mix.txt
hello
hii
now,we are appending this line to a file named mix in the directory parent
neethushanavas@DESKTOP-A0AN36U:~/parent$ echo "now,we are appending this line to a file named mix in the directory parent" >> mix.txt
neethushanavas@DESKTOP-A0AN36U:~/parent$ echo "now,we are appending this line to a file named mix in the directory parent" >> mix.txt
neethushanavas@DESKTOP-A0AN36U:~/parent$
```

```

neethushanavas@DESKTOP-A0AN36U: ~
neethushanavas@DESKTOP-A0AN36U:~/parent$ echo "now,we are appending this line to a file named mix in the directory parent" >> mix.txt
neethushanavas@DESKTOP-A0AN36U:~/parent$ echo "now,we are appending this line to a file named mix in the directory parent" >> mix.txt
neethushanavas@DESKTOP-A0AN36U:~/parent$ less mix.txt
neethushanavas@DESKTOP-A0AN36U:~/parent$ ls
child mix.txt mytext.txt mytext1.txt
neethushanavas@DESKTOP-A0AN36U:~/parent$ cd child
neethushanavas@DESKTOP-A0AN36U:~/parent/child$ boo.txt
neethushanavas@DESKTOP-A0AN36U:~/parent/child$
neethushanavas@DESKTOP-A0AN36U:~/parent/child$ touch boo.txt
neethushanavas@DESKTOP-A0AN36U:~/parent/child$ ls
boo.txt
neethushanavas@DESKTOP-A0AN36U:~/parent/child$ mv boo.txt /home/neethushanavas/parent ..
mv: cannot move '/home/neethushanavas/parent' to a subdirectory of itself, '../parent'
neethushanavas@DESKTOP-A0AN36U:~/parent/child$ cd ..
neethushanavas@DESKTOP-A0AN36U:~/parent$ ls
boo.txt child mix.txt mytext.txt mytext1.txt
neethushanavas@DESKTOP-A0AN36U:~/parent$ cp boo.txt child
neethushanavas@DESKTOP-A0AN36U:~/parent$ cd child
neethushanavas@DESKTOP-A0AN36U:~/parent/child$ ls
boo.txt
neethushanavas@DESKTOP-A0AN36U:~/parent/child$ whoami
neethushanavas
neethushanavas@DESKTOP-A0AN36U:~/parent/child$ man man
neethushanavas@DESKTOP-A0AN36U:~/parent/child$ sudo adduser nehaa
[sudo] password for neethushanavas:
neethushanavas is not in the sudoers file. This incident will be reported.
neethushanavas@DESKTOP-A0AN36U:~/parent/child$ cd ..
neethushanavas@DESKTOP-A0AN36U:~/parent$ cd ..
neethushanavas@DESKTOP-A0AN36U:~$ ls -il
total 0
 844424930817362 -rw-rw-r-- 1 neethushanavas neethushanavas  0 Jan  7 17:11 mt.txt
10133099161584143 drwxrwxr-x 1 neethushanavas neethushanavas 4096 Jan  7 17:36 parent
10133099161604803 drwxrwxr-x 1 neethushanavas neethushanavas 4096 Jan  7 17:13 textfile
neethushanavas@DESKTOP-A0AN36U:~$

```

```
neethushanavas@DESKTOP-AOAN36U: ~  
boo.txt  
neethushanavas@DESKTOP-AOAN36U:~/parent/child$ mv boo.txt /home/neethushanavas/parent ..  
mv: cannot move '/home/neethushanavas/parent' to a subdirectory of itself, '../parent'  
neethushanavas@DESKTOP-AOAN36U:~/parent/child$ cd ..  
neethushanavas@DESKTOP-AOAN36U:~/parent$ ls  
boo.txt  child  mix.txt  mytext.txt  mytext1.txt  
neethushanavas@DESKTOP-AOAN36U:~/parent$ cp boo.txt child  
neethushanavas@DESKTOP-AOAN36U:~/parent$ cd child  
neethushanavas@DESKTOP-AOAN36U:~/parent/child$ ls  
boo.txt  
neethushanavas@DESKTOP-AOAN36U:~/parent/child$ whoami  
neethushanavas  
neethushanavas@DESKTOP-AOAN36U:~/parent/child$ man man  
neethushanavas@DESKTOP-AOAN36U:~/parent/child$ sudo adduser nehaa  
[sudo] password for neethushanavas:  
neethushanavas is not in the sudoers file. This incident will be reported.  
neethushanavas@DESKTOP-AOAN36U:~/parent/child$ cd ..  
neethushanavas@DESKTOP-AOAN36U:~/parent$ cd ..  
neethushanavas@DESKTOP-AOAN36U:~$ ls -il  
total 0  
844424930817362 -rw-rw-r-- 1 neethushanavas neethushanavas 0 Jan 7 17:11 mt.txt  
10133099161584143 drwxrwxr-x 1 neethushanavas neethushanavas 4096 Jan 7 17:36 parent  
10133099161604803 drwxrwxr-x 1 neethushanavas neethushanavas 4096 Jan 7 17:13 textfile  
neethushanavas@DESKTOP-AOAN36U:~$ ls -a  
.. .bash_logout .bashrc .profile mt.txt parent textfile  
neethushanavas@DESKTOP-AOAN36U:~$ ls -l  
total 0  
-rw-rw-r-- 1 neethushanavas neethushanavas 0 Jan 7 17:11 mt.txt  
drwxrwxr-x 1 neethushanavas neethushanavas 4096 Jan 7 17:36 parent  
drwxrwxr-x 1 neethushanavas neethushanavas 4096 Jan 7 17:13 textfile  
neethushanavas@DESKTOP-AOAN36U:~$ ls -alh | grep boo.txt  
neethushanavas@DESKTOP-AOAN36U:~$ ls -alh | grep parent  
drwxrwxr-x 1 neethushanavas neethushanavas 4.0K Jan 7 17:36 parent  
neethushanavas@DESKTOP-AOAN36U:~$
```

```
neethushanavas@DESKTOP-AQAN36U: ~  
neethushanavas@DESKTOP-AQAN36U:~$ rm mt.txt  
neethushanavas@DESKTOP-AQAN36U:~$ ls  
parent  textfile  
neethushanavas@DESKTOP-AQAN36U:~$ find . -name *.txt  
./parent/boo.txt  
./parent/child/boo.txt  
./parent/mix.txt  
./parent/mytext.txt  
./parent/mytext1.txt  
./textfile/mt.txt  
./textfile/tx.txt  
neethushanavas@DESKTOP-AQAN36U:~$ find . -name *.*  
.  
./.bashrc  
./.bash_logout  
./.profile  
./parent/boo.txt  
./parent/child/boo.txt  
./parent/mix.txt  
./parent/mytext.txt  
./parent/mytext1.txt  
./textfile/mt.txt  
./textfile/tx.txt  
neethushanavas@DESKTOP-AQAN36U:~$ find . -type d -name "t*"  
./textfile  
neethushanavas@DESKTOP-AQAN36U:~$ find . -name textfile -delete  
find: cannot delete './textfile': Directory not empty  
neethushanavas@DESKTOP-AQAN36U:~$ ls  
parent  textfile  
neethushanavas@DESKTOP-AQAN36U:~$ free  
              total        used          free      shared  buff/cache   available  
Mem:           4103720       3148200        726168        17720       229352      821788  
Swap:          12582912       1901392       10681520
```



```
neethushanavas@DESKTOP-AOAN36U:~$ find . -type d -name "t*"
./textfile
neethushanavas@DESKTOP-AOAN36U:~$ find . -name textfile -delete
find: cannot delete './textfile': Directory not empty
neethushanavas@DESKTOP-AOAN36U:~$ ls
```

```
parent textfile
```

```
neethushanavas@DESKTOP-AOAN36U:~$ free
```

	total	used	free	shared	buff/cache	available
Mem:	4103720	3148200	726168	17720	229352	821788
Swap:	12582912	1901392	10681520			

```
neethushanavas@DESKTOP-AOAN36U:~$ uptime
17:47:41 up 3:15, 0 users, load average: 0.52, 0.58, 0.59
```

```
neethushanavas@DESKTOP-AOAN36U:~$ ansible -m ping --ask-pass
```

```
usage: ansible [-h] [--version] [-v] [-b] [--become-method BECOME_METHOD] [--become-user BECOME_USER] [-K] [-i INVENTORY] [--list-hosts]
               [-l SUBSET] [-P POLL_INTERVAL] [-B SECONDS] [-o] [-t TREE] [-k] [--private-key PRIVATE_KEY_FILE] [-u REMOTE_USER] [-c CONNECTION]
               [-T TIMEOUT] [--ssh-common-args SSH_COMMON_ARGS] [--sftp-extra-args SFTP_EXTRA_ARGS] [--scp-extra-args SCP_EXTRA_ARGS]
               [--ssh-extra-args SSH_EXTRA_ARGS] [-C] [--syntax-check] [-D] [-e EXTRA_VARS] [--vault-id VAULT_IDS]
               [--ask-vault-password | --vault-password-file VAULT_PASSWORD_FILES] [-f FORKS] [-M MODULE_PATH] [--playbook-dir BASEDIR]
               [--task-timeout TASK_TIMEOUT] [-a MODULE_ARGS] [-m MODULE_NAME]
               pattern
```

```
ansible: error: the following arguments are required: pattern
```

```
usage: ansible [-h] [--version] [-v] [-b] [--become-method BECOME_METHOD] [--become-user BECOME_USER] [-K] [-i INVENTORY] [--list-hosts]
               [-l SUBSET] [-P POLL_INTERVAL] [-B SECONDS] [-o] [-t TREE] [-k] [--private-key PRIVATE_KEY_FILE] [-u REMOTE_USER] [-c CONNECTION]
               [-T TIMEOUT] [--ssh-common-args SSH_COMMON_ARGS] [--sftp-extra-args SFTP_EXTRA_ARGS] [--scp-extra-args SCP_EXTRA_ARGS]
               [--ssh-extra-args SSH_EXTRA_ARGS] [-C] [--syntax-check] [-D] [-e EXTRA_VARS] [--vault-id VAULT_IDS]
               [--ask-vault-password | --vault-password-file VAULT_PASSWORD_FILES] [-f FORKS] [-M MODULE_PATH] [--playbook-dir BASEDIR]
               [--task-timeout TASK_TIMEOUT] [-a MODULE_ARGS] [-m MODULE_NAME]
               pattern
```

Define and run a single task 'playbook' against a set of hosts

positional arguments:

pattern host pattern

pattern host pattern

optional arguments:

- ask-vault-password, --ask-vault-pass
ask for vault password
- list-hosts
outputs a list of matching hosts; does not execute anything else
- playbook-dir BASEDIR
Since this tool does not use playbooks, use this as a substitute playbook directory. This sets the relative path for many features including roles/ group_vars/ etc.
- syntax-check
perform a syntax check on the playbook, but do not execute it
- task-timeout TASK_TIMEOUT
set task timeout limit in seconds, must be positive integer.
- vault-id VAULT_IDS
the vault identity to use
- vault-password-file VAULT_PASSWORD_FILES, --vault-pass-file VAULT_PASSWORD_FILES
vault password file
- version
show program's version number, config file location, configured module search path, module location, executable location and exit
- B SECONDS, --background SECONDS
run asynchronously, failing after X seconds (default=N/A)
- C, --check
don't make any changes; instead, try to predict some of the changes that may occur
- D, --diff
when changing (small) files and templates, show the differences in those files; works great with --check
- M MODULE_PATH, --module-path MODULE_PATH
prepend colon-separated path(s) to module library (default=~/.ansible/plugins/modules:/usr/share/ansible/plugins/modules)
- P POLL_INTERVAL, --poll POLL_INTERVAL
set the poll interval if using -B (default=15)
- a MODULE_ARGS, --args MODULE_ARGS
The action's options in space separated k=v format: -a 'opt1=val1 opt2=val2'
- e EXTRA_VARS, --extra-vars EXTRA_VARS
set additional variables as key=value or YAML/JSON, if filename prepend with @
- f FORKS, --forks FORKS
specify number of parallel processes to use (default=5)
- h, --help
show this help message and exit
- i INVENTORY, --inventory INVENTORY, --inventory-file INVENTORY
specify inventory host path or comma separated host list. --inventory-file is deprecated

specify inventory host path or comma separated host list. --inventory-file is deprecated

-l SUBSET, --limit SUBSET
further limit selected hosts to an additional pattern

-m MODULE_NAME, --module-name MODULE_NAME
Name of the action to execute (default=command)

-o, --one-line
condense output

-t TREE, --tree TREE
log output to this directory

-v, --verbose
verbose mode (-vvv for more, -vvvv to enable connection debugging)

Privilege Escalation Options:

control how and which user you become as on target hosts

--become-method BECOME_METHOD
privilege escalation method to use (default=sudo), use `ansible-doc -t become -l` to list valid choices.

--become-user BECOME_USER
run operations as this user (default=root)

-K, --ask-become-pass
ask for privilege escalation password

-b, --become
run operations with become (does not imply password prompting)

Connection Options:

control as whom and how to connect to hosts

--private-key PRIVATE_KEY_FILE, --key-file PRIVATE_KEY_FILE
use this file to authenticate the connection

--scp-extra-args SCP_EXTRA_ARGS
specify extra arguments to pass to scp only (e.g. -l)

--sftp-extra-args SFTP_EXTRA_ARGS
specify extra arguments to pass to sftp only (e.g. -f, -l)

--ssh-common-args SSH_COMMON_ARGS
specify common arguments to pass to sftp/scp/ssh (e.g. ProxyCommand)

--ssh-extra-args SSH_EXTRA_ARGS
specify extra arguments to pass to ssh only (e.g. -R)

-T TIMEOUT, --timeout TIMEOUT

-K, --ask-become-pass
ask for privilege escalation password

-b, --become
run operations with become (does not imply password prompting)

Connection Options:

control as whom and how to connect to hosts

--private-key PRIVATE_KEY_FILE, --key-file PRIVATE_KEY_FILE
use this file to authenticate the connection

--scp-extra-args SCP_EXTRA_ARGS
specify extra arguments to pass to scp only (e.g. -l)

--sftp-extra-args SFTP_EXTRA_ARGS
specify extra arguments to pass to sftp only (e.g. -f, -l)

--ssh-common-args SSH_COMMON_ARGS
specify common arguments to pass to sftp/scp/ssh (e.g. ProxyCommand)

--ssh-extra-args SSH_EXTRA_ARGS
specify extra arguments to pass to ssh only (e.g. -R)

-T TIMEOUT, --timeout TIMEOUT
override the connection timeout in seconds (default=10)

-c CONNECTION, --connection CONNECTION
connection type to use (default=smart)

-k, --ask-pass
ask for connection password

-u REMOTE_USER, --user REMOTE_USER
connect as this user (default=None)

Some actions do not make sense in Ad-Hoc (include, meta, etc)

neethushanavas@DESKTOP-AOAN36U:~\$ bash --version

GNU bash, version 5.0.17(1)-release (x86_64-pc-linux-gnu)

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neethushanavas@DESKTOP-AOAN36U:~\$

```
neethushanavas@DESKTOP-AOAN36U: ~/bashfiles
This is free software; you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.
neethushanavas@DESKTOP-AOAN36U:~$ mkdir bashfiles
neethushanavas@DESKTOP-AOAN36U:~$ cd bashfiles
neethushanavas@DESKTOP-AOAN36U:~/bashfiles$ nano helloshell.sh
neethushanavas@DESKTOP-AOAN36U:~/bashfiles$ chmod 776 helloshell.sh
neethushanavas@DESKTOP-AOAN36U:~/bashfiles$ ./helloshell.sh
Welcome to shell scripting
neethu kerala
neethushanavas@DESKTOP-AOAN36U:~/bashfiles$ cat helloshell.sh
#!/bin/bash
echo "Welcome to shell scripting"
name=neethu
location=kerala
echo $name $location
neethushanavas@DESKTOP-AOAN36U:~/bashfiles$ nano ifelse.sh
neethushanavas@DESKTOP-AOAN36U:~/bashfiles$ chmod 776 ifelse.sh
neethushanavas@DESKTOP-AOAN36U:~/bashfiles$ ./ifelse.sh
enter an animal
sheep
i like sheep
neethushanavas@DESKTOP-AOAN36U:~/bashfiles$ cat ifelse.sh
#!/bin/bash
echo enter an animal
read animal
if [ $animal = cat ]
then echo i love cats
elif [ $animal = dog ]
then echo i love dogs
elif [ $animal = cow ]
then echo i love cows
else echo i like $animal
fi
neethushanavas@DESKTOP-AOAN36U:~/bashfiles$
```

```
neethushanavas@DESKTOP-AOAN36U:~/bashfiles$ nano ifelse.sh
neethushanavas@DESKTOP-AOAN36U:~/bashfiles$ chmod 776 ifelse.sh
neethushanavas@DESKTOP-AOAN36U:~/bashfiles$ ./ifelse.sh
```

enter an animal

sheep

i like sheep

```
neethushanavas@DESKTOP-AOAN36U:~/bashfiles$ cat ifelse.sh
```

```
#!/bin/bash
```

```
echo enter an animal
```

```
read animal
```

```
if [ $animal = cat ]
```

```
    then echo i love cats
```

```
elif [ $animal = dog ]
```

```
    then echo i love dogs
```

```
elif [ $animal = cow ]
```

```
    then echo i love cows
```

```
    else echo i like $animal
```

```
fi
```

```
neethushanavas@DESKTOP-AOAN36U:~/bashfiles$ nano for.sh
```

```
neethushanavas@DESKTOP-AOAN36U:~/bashfiles$ chmod 776 for.sh
```

```
neethushanavas@DESKTOP-AOAN36U:~/bashfiles$ ./for.sh
```

enter some num

5

welcome 1 time 5

enter some num

4

welcome 2 time 4

enter some num

7

welcome 3 time 7

enter some num

4

welcome 4 time 4

```
neethushanavas@DESKTOP-AOAN36U:~/bashfiles$ cat for.sh
```

```
neethushanavas@DESKTOP-AOAN36U:~/bashfiles$ cat for.sh
#!/bin/bash
for((c=1;c<5;c++))
do
    echo enter some num
    read num
    echo welcome $c time $num
done
neethushanavas@DESKTOP-AOAN36U:~/bashfiles$ nano loop.sh
neethushanavas@DESKTOP-AOAN36U:~/bashfiles$ chmod 776 loop.sh
neethushanavas@DESKTOP-AOAN36U:~/bashfiles$ ./loop.sh
states are andra pradesh
states are andra pradesh
states are andra pradesh
neethushanavas@DESKTOP-AOAN36U:~/bashfiles$ nano loop.sh
neethushanavas@DESKTOP-AOAN36U:~/bashfiles$ ./loop.sh
states are andra pradesh
states are kerala
states are goa
neethushanavas@DESKTOP-AOAN36U:~/bashfiles$ cat loop.sh
#!/bin/bash
states=("andra pradesh" "kerala" "goa")
for i in "${states[@]}"
do
    echo states are $i
done
neethushanavas@DESKTOP-AOAN36U:~/bashfiles$ cd
neethushanavas@DESKTOP-AOAN36U:~$ ansible-galaxy -h
usage: ansible-galaxy [-h] [--version] [-v] TYPE ...

Perform various Role and Collection related operations.

positional arguments:
  TYPE
```

Perform various Role and Collection related operations.

positional arguments:

TYPE

collection	Manage an Ansible Galaxy collection.
role	Manage an Ansible Galaxy role.

optional arguments:

--version	show program's version number, config file location, configured module search path, module location, executable location and exit
-h, --help	show this help message and exit
-v, --verbose	verbose mode (-vvv for more, -vvvv to enable connection debugging)

neethushanavas@DESKTOP-AQAN36U:~\$ ansible-galaxy init --force --offline neethurole

- Role neethurole was created successfully

neethushanavas@DESKTOP-AQAN36U:~\$ tree neethurole/

```
neethurole/
├── README.md
├── defaults
│   └── main.yml
├── files
├── handlers
│   └── main.yml
├── meta
│   └── main.yml
├── tasks
│   └── main.yml
├── templates
├── tests
│   ├── inventory
│   └── test.yml
├── vars
│   └── main.yml
```

8 directories, 8 files

neethushanavas@DESKTOP-AQAN36U:~\$

8 directories, 8 files

neethushanavas@DESKTOP-AOAN36U:~\$ top

top - 18:15:52 up 3:43, 0 users, load average: 0.52, 0.58, 0.59

Tasks: 10 total, 1 running, 9 sleeping, 0 stopped, 0 zombie

%Cpu(s): 10.3 us, 11.3 sy, 0.0 ni, 77.9 id, 0.0 wa, 0.4 hi, 0.0 si, 0.0 st

MiB Mem : 4007.5 total, 906.8 free, 2876.8 used, 224.0 buff/cache

MiB Swap: 12288.0 total, 10395.0 free, 1893.0 used. 1000.2 avail Mem

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
404	neethus+	20	0	18928	2184	1552	R	0.3	0.1	0:00.10	top
1	root	20	0	8940	320	276	S	0.0	0.0	0:00.46	init
7	root	20	0	8940	228	184	S	0.0	0.0	0:00.00	init
8	neethu1+	20	0	18204	3752	3664	S	0.0	0.1	0:01.24	bash
189	root	20	0	18392	2468	2440	S	0.0	0.1	0:00.15	su
190	ust	20	0	18044	3528	3436	S	0.0	0.1	0:00.29	bash
205	root	20	0	18388	2464	2440	S	0.0	0.1	0:00.13	su
206	neethu1+	20	0	18152	3676	3584	S	0.0	0.1	0:00.96	bash
294	root	20	0	18392	2468	2444	S	0.0	0.1	0:00.10	su
295	neethus+	20	0	18044	3568	3468	S	0.0	0.1	0:01.26	bash

```

1 [|||||] 26.9% Tasks: 10, 1 thr; 1 running
2 [|||||] 25.0% Load average: 0.52 0.58 0.59
3 [|||||] 46.5% Uptime: 03:44:16
4 [|||||] 34.9%
Mem [|||||] 2.84G/3.91G
Swp [|||||] 1.85G/12.0G

```

PID	USER	PRI	NI	VIRT	RES	SHR	S	CPU%	MEM%	TIME+	Command
405	neethusha	20	0	16336	2404	1520	R	0.0	0.1	0:00.05	htop
6	root	20	0	8940	320	276	S	0.0	0.0	0:00.00	/init
1	root	20	0	8940	320	276	S	0.0	0.0	0:00.46	/init
7	root	20	0	8940	228	184	S	0.0	0.0	0:00.00	/init
8	neethu123	20	0	18204	3752	3664	S	0.0	0.1	0:01.24	-bash
189	root	20	0	18392	2468	2440	S	0.0	0.1	0:00.15	su ust
190	ust	20	0	18044	3528	3436	S	0.0	0.1	0:00.29	bash
205	root	20	0	18388	2464	2440	S	0.0	0.1	0:00.13	su neethu123
206	neethu123	20	0	18152	3676	3584	S	0.0	0.1	0:00.96	bash
294	root	20	0	18392	2468	2444	S	0.0	0.1	0:00.10	su neethushanavas
295	neethusha	20	0	18044	3568	3472	S	0.0	0.1	0:01.27	bash

F1 Help F2 Setup F3 Search F4 Filter F5 Tree F6 SortBy F7 Nice - F8 Nice + F9 Kill F10 Quit

```
neethushanavas@DESKTOP-AOAN36U:~$ info
neethushanavas@DESKTOP-AOAN36U:~$ env
SHELL=/bin/bash
WSL_DISTRO_NAME=Ubuntu-20.04
NAME=DESKTOP-AOAN36U
PWD=/home/neethushanavas
LOGNAME=neethushanavas
MOTD_SHOWN=update-motd
HOME=/home/neethushanavas
LANG=C.UTF-8
LS_COLORS=rs=0:di=01;34:ln=01;36:mh=00:pi=40;33:so=01;35:do=01;35:bd=40;33;01:cd=40;33;01:or=40;31;01:mi=00:su=37;41:sg=30;43:ca=30;41:tw=30;42:ow=3
4;42:st=37;44:ex=01;32:*.tar=01;31:*.tgz=01;31:*.arc=01;31:*.arj=01;31:*.taz=01;31:*.lha=01;31:*.lzh=01;31:*.lzma=01;31:*.tlz=01;31:*.tx
z=01;31:*.tzo=01;31:*.t7z=01;31:*.zip=01;31:*.z=01;31:*.dz=01;31:*.gz=01;31:*.lrz=01;31:*.lz=01;31:*.lzo=01;31:*.xz=01;31:*.zst=01;31:*.tzst=01;31:*.
.bz2=01;31:*.bz=01;31:*.tbz=01;31:*.tbz2=01;31:*.tz=01;31:*.deb=01;31:*.rpm=01;31:*.jar=01;31:*.war=01;31:*.ear=01;31:*.sar=01;31:*.rar=01;31:*.alz=
01;31:*.ace=01;31:*.zoo=01;31:*.cpio=01;31:*.7z=01;31:*.rz=01;31:*.cab=01;31:*.wim=01;31:*.swm=01;31:*.dwm=01;31:*.esd=01;31:*.jpg=01;35:*.jpeg=01;3
5:*.mjpg=01;35:*.mjpeg=01;35:*.gif=01;35:*.bmp=01;35:*.pbm=01;35:*.pgm=01;35:*.ppm=01;35:*.tga=01;35:*.xbm=01;35:*.xpm=01;35:*.tif=01;35:*.tiff=01;3
5:*.png=01;35:*.svg=01;35:*.svgz=01;35:*.mng=01;35:*.pcx=01;35:*.mov=01;35:*.mpg=01;35:*.mpeg=01;35:*.m2v=01;35:*.mkv=01;35:*.webm=01;35:*.ogm=01;35
:*.mp4=01;35:*.m4v=01;35:*.mp4v=01;35:*.vob=01;35:*.qt=01;35:*.nuv=01;35:*.wmv=01;35:*.asf=01;35:*.rm=01;35:*.rmvb=01;35:*.flc=01;35:*.avi=01;35:*.f
li=01;35:*.flv=01;35:*.gl=01;35:*.dl=01;35:*.xcf=01;35:*.xwd=01;35:*.yuv=01;35:*.cgm=01;35:*.emf=01;35:*.ogv=01;35:*.ogx=01;35:*.aac=00;36:*.au=00;3
6:*.flac=00;36:*.m4a=00;36:*.mid=00;36:*.midi=00;36:*.mka=00;36:*.mp3=00;36:*.mpc=00;36:*.ogg=00;36:*.ra=00;36:*.wav=00;36:*.oga=00;36:*.opus=00;36
:*.spx=00;36:*.xspf=00;36:
LESSCLOSE=/usr/bin/lesspipe %s %s
TERM=xterm-256color
LESSOPEN=| /usr/bin/lesspipe %s
USER=neethushanavas
SHLVL=4
WSLENV=
XDG_DATA_DIRS=/usr/local/share:/usr/share:/var/lib/snapd/desktop
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin
MAIL=/var/mail/neethushanavas
HOSTTYPE=x86_64
OLDPWD=/home/neethushanavas/bashfiles
_=/usr/bin/env
neethushanavas@DESKTOP-AOAN36U:~$
```

```

4;42:st=37;44:ex=01;32:*.tar=01;31:*.tgz=01;31:*.arc=01;31:*.arj=01;31:*.taz=01;31:*.lha=01;31:*.lzh=01;31:*.lzm=01;31:*.tlz=01;31:*.tx
z=01;31:*.tzo=01;31:*.t7z=01;31:*.zip=01;31:*.z=01;31:*.dz=01;31:*.gz=01;31:*.lrz=01;31:*.lz=01;31:*.lzo=01;31:*.xz=01;31:*.zst=01;31:*.tzst=01;31:*.
.bz2=01;31:*.bz=01;31:*.tbz=01;31:*.tbz2=01;31:*.tz=01;31:*.deb=01;31:*.rpm=01;31:*.jar=01;31:*.war=01;31:*.ear=01;31:*.sar=01;31:*.rar=01;31:*.alz=
01;31:*.ace=01;31:*.zoo=01;31:*.cpio=01;31:*.7z=01;31:*.rz=01;31:*.cab=01;31:*.wim=01;31:*.swm=01;31:*.dwm=01;31:*.esd=01;31:*.jpg=01;35:*.jpeg=01;3
5:*.mjpg=01;35:*.mjpeg=01;35:*.gif=01;35:*.bmp=01;35:*.pbm=01;35:*.pgm=01;35:*.ppm=01;35:*.tga=01;35:*.xbm=01;35:*.xpm=01;35:*.tif=01;35:*.tiff=01;3
5:*.png=01;35:*.svg=01;35:*.svgz=01;35:*.mng=01;35:*.pcx=01;35:*.mov=01;35:*.mpg=01;35:*.mpeg=01;35:*.m2v=01;35:*.mkv=01;35:*.webm=01;35:*.ogm=01;35
:*.mp4=01;35:*.m4v=01;35:*.mp4v=01;35:*.vob=01;35:*.qt=01;35:*.nuv=01;35:*.wmv=01;35:*.asf=01;35:*.rm=01;35:*.rmvb=01;35:*.flc=01;35:*.avi=01;35:*.f
l=01;35:*.flv=01;35:*.gl=01;35:*.dl=01;35:*.xcf=01;35:*.xwd=01;35:*.yuv=01;35:*.cgm=01;35:*.emf=01;35:*.ogv=01;35:*.ogx=01;35:*.aac=00;36:*.au=00;3
6:*.flac=00;36:*.m4a=00;36:*.mid=00;36:*.midi=00;36:*.mka=00;36:*.mp3=00;36:*.mpc=00;36:*.ogg=00;36:*.ra=00;36:*.wav=00;36:*.oga=00;36:*.opus=00;36
:*.spx=00;36:*.xspf=00;36:
LESSCLOSE=/usr/bin/lesspipe %s %s
TERM=xterm-256color
LESSOPEN=| /usr/bin/lesspipe %s
USER=neethushanavas
SHLVL=4
WSLENV=
XDG_DATA_DIRS=/usr/local/share:/usr/share:/var/lib/snapd/desktop
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin
MAIL=/var/mail/neethushanavas
HOSTTYPE=x86_64
OLDPWD=/home/neethushanavas/bashfiles
_=/usr/bin/env
neethushanavas@DESKTOP-AOAN36U:~$ df
Filesystem      1K-blocks    Used Available Use% Mounted on
rootfs           103818824  82086936   21731888   80% /
none             103818824  82086936   21731888   80% /dev
none             103818824  82086936   21731888   80% /run
none             103818824  82086936   21731888   80% /run/lock
none             103818824  82086936   21731888   80% /run/shm
none             103818824  82086936   21731888   80% /run/user
tmpfs            103818824  82086936   21731888   80% /sys/fs/cgroup
C:\              103818824  82086936   21731888   80% /mnt/c
D:\              383526908  1397564    382129344    1% /mnt/d
neethushanavas@DESKTOP-AOAN36U:~$

```

```
neethushanavas@DESKTOP-AOAN36U: ~  
_=/usr/bin/env  
neethushanavas@DESKTOP-AOAN36U:~$ df  
Filesystem      1K-blocks    Used Available Use% Mounted on  
rootfs          103818824 82086936 21731888 80% /  
none            103818824 82086936 21731888 80% /dev  
none            103818824 82086936 21731888 80% /run  
none            103818824 82086936 21731888 80% /run/lock  
none            103818824 82086936 21731888 80% /run/shm  
none            103818824 82086936 21731888 80% /run/user  
tmpfs           103818824 82086936 21731888 80% /sys/fs/cgroup  
C:\             103818824 82086936 21731888 80% /mnt/c  
D:\             383526908 1397564 382129344 1% /mnt/d  
neethushanavas@DESKTOP-AOAN36U:~$ python3  
Python 3.8.10 (default, Jun 2 2021, 10:49:15)  
[GCC 9.4.0] on linux  
Type "help", "copyright", "credits" or "license" for more information.  
>>> "hello"  
'hello'  
>>> 12+45  
57  
>>> name = "neethu"  
>>> no=123  
>>> city=tvm  
Traceback (most recent call last):  
  File "<stdin>", line 1, in <module>  
NameError: name 'tvm' is not defined  
>>> city="tvm"  
>>> print("name is "+name+"city:"+city+"and num:"+str(no))  
name isneethucity:tvm and num:123  
>>> no=9  
>>> if(no<5):  
...     print('less than 5')  
... else:  
...     print('greater than 5')
```

```
>>> name = "neethu"
>>> no=123
>>> city=tvm
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
NameError: name 'tvm' is not defined
>>> city="tvm"
>>> print("name is"+name+"city:"+city+"and num:"+str(no))
name isneethucity:tvm and num:123
>>> no=9
>>> if(no<5):
...     print('less than 5')
... else:
...     print('greater than 5')
...
greater than 5
>>> friends=['raj','anu','lekshmi']
>>> friends[2]
'lekshmi'
>>> friends[0]
'raj'
>>> for i in friends:
...     print(name)
...
neethu
neethu
neethu
>>> for i in friends:
...     print(i)
...
raj
anu
lekshmi
>>> _
```



```
raj
anu
lekshmi
>>> name=input('what is ur name')
what is ur name neethu
>>> print(name)
neethu
>>> a,b=0,1
>>> n=14
>>> while(a<n):
...     print(a,end='')
...     a,b=b,a+b
...
011235813>>>
>>> def hellofun(n,m):
...     if(n>m):
...         print(str(n)+'is great')
...     else:
...         print(str(m)+'is great')
...
>>> hellofun(5,15)
15is great
>>> class product:
...     def setproduct(self,name,price):
...         self.name=name
...         self.price=price
...     def getproduct(self):
...         print(self.name,self.price)
...
>>> pdt=product()
>>> pdt.setproduct('cake',400)
>>> pdt.getproduct()
cake 400
>>> _
```

```
... print(str(m)+'is great')
...
>>> hellofun(5,15)
15is great
>>> class product:
...     def setproduct(self,name,price):
...         self.name=name
...         self.price=price
...     def getproduct(self):
...         print(self.name,self.price)
...
>>> pdt=product()
>>> pdt.setproduct('cake',400)
>>> pdt.getproduct()
cake 400
>>> f=open('//home//neethushanavas//parent//boo.txt')
>>> print(f)
<_io.TextIOWrapper name='//home//neethushanavas//parent//boo.txt' mode='r' encoding='UTF-8'>
>>> from math import*
>>> a=pi
>>> print(a)
3.141592653589793
>>> print(sqrt(64))
8.0
>>> print(pow(2,3))
8.0
>>> print(round(89.235))
89
>>> print(floor(990.99))
990
>>> print(ceil(90.0001))
91
>>> exit()
neethushanavas@DESKTOP-A0AN36U: ~$
```

```
neethu123@DESKTOP-AOAN36U: ~  
neethushanavas@DESKTOP-AOAN36U:~$ su neethu123  
Password:  
alias ll='ls -alF'  
bash: alias: =: not found  
bash: alias: ls -l: not found  
alias la='ls -A'  
bash: alias: =: not found  
bash: alias: ls -a: not found  
bash: alias: hello: not found  
bash: alias: =: not found  
bash: alias: echo welcome: not found  
neethu123@DESKTOP-AOAN36U:~/neethushanavas$ cd  
neethu123@DESKTOP-AOAN36U:~$ sudo adduser ustglobal  
[sudo] password for neethu123:  
Adding user `ustglobal' ...  
Adding new group `ustglobal' (1032) ...  
Adding new user `ustglobal' (1028) with group `ustglobal' ...  
Creating home directory `/home/ustglobal' ...  
Copying files from `/etc/skel' ...  
New password:  
Retype new password:  
passwd: password updated successfully  
Changing the user information for ustglobal  
Enter the new value, or press ENTER for the default  
Full Name []:  
Room Number []:  
Work Phone []:  
Home Phone []:  
Other []:  
Is the information correct? [Y/n] y  
neethu123@DESKTOP-AOAN36U:~$ groups  
neethu123 adm dialout cdrom floppy sudo audio dip video plugdev netdev  
neethu123@DESKTOP-AOAN36U:~$ sudo addgroup newgroup2  
Adding group `newgroup2' (GID 1033) ...
```

```
Adding new group `ustglobal' (1032) ...
Adding new user `ustglobal' (1028) with group `ustglobal' ...
Creating home directory `/home/ustglobal' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for ustglobal
Enter the new value, or press ENTER for the default
    Full Name []:
    Room Number []:
    Work Phone []:
    Home Phone []:
    Other []:
Is the information correct? [Y/n] y
neethu123@DESKTOP-AOAN36U:~$ groups
neethu123 adm dialout cdrom floppy sudo audio dip video plugdev netdev
neethu123@DESKTOP-AOAN36U:~$ sudo addgroup newgroup2
Adding group `newgroup2' (GID 1033) ...
Done.
neethu123@DESKTOP-AOAN36U:~$ sudo usermod -aG sudo ustglobal
neethu123@DESKTOP-AOAN36U:~$ sudo ustglobal
sudo: ustglobal: command not found
neethu123@DESKTOP-AOAN36U:~$ groups ustglobal
ustglobal : ustglobal sudo
neethu123@DESKTOP-AOAN36U:~$
```

```
neethu123@DESKTOP-AOAN36U:~$ cat /etc/issue
```

```
Ubuntu 20.04.3 LTS \n \l
```

```
neethu123@DESKTOP-AOAN36U:~$ python3
```

```
Python 3.8.10 (default, Jun 2 2021, 10:49:15)
```

```
[GCC 9.4.0] on linux
```

```
Type "help", "copyright", "credits" or "license" for more information.
```

```
>>> class lion:
```

```
...     def leg(self):
```

```
...         print("4 legs")
```

```
...     class tiger:
```

```
...         File "<stdin>", line 4
```

```
...             class tiger:
```

```
...                 ^
```

```
SyntaxError: invalid syntax
```

```
>>> class lion:
```

```
...     def leg(self):
```

```
...         print("4 legs")
```

```
...
```

```
>>> class tiger:
```

```
...     def eat(self):
```

```
...         print("animals")
```

```
...
```

```
>>> class cub(lion,tiger):
```

```
...     pass
```

```
...
```

```
>>> d=cub()
```

```
>>> d.leg()
```

```
4 legs
```

```
>>> d.eat()
```

```
animals
```

```
>>> class lion:
```

```
...     def leg(self):
```

```
...         print("4")
```

```
...
```

```
... print("animals")
...
>>> class cub(lion,tiger):
...     pass
...
>>> d=cub()
>>> d.leg()
4 legs
>>> d.eat()
animals
>>> class lion:
...     def leg(self):
...         print("4")
...
>>> class tiger(lion):
...     def eat(self):
...         print("animals")
...
>>> class cub(tiger):
...     pass
...
>>> d=cub()
>>> d.leg()
4
>>> d.eat()
animals
>>> class student:
...     def sum(self,a,b):
...         return a+b
...
>>> d=student()
>>> print(d.sum(1,2))
3
>>> exit()
```