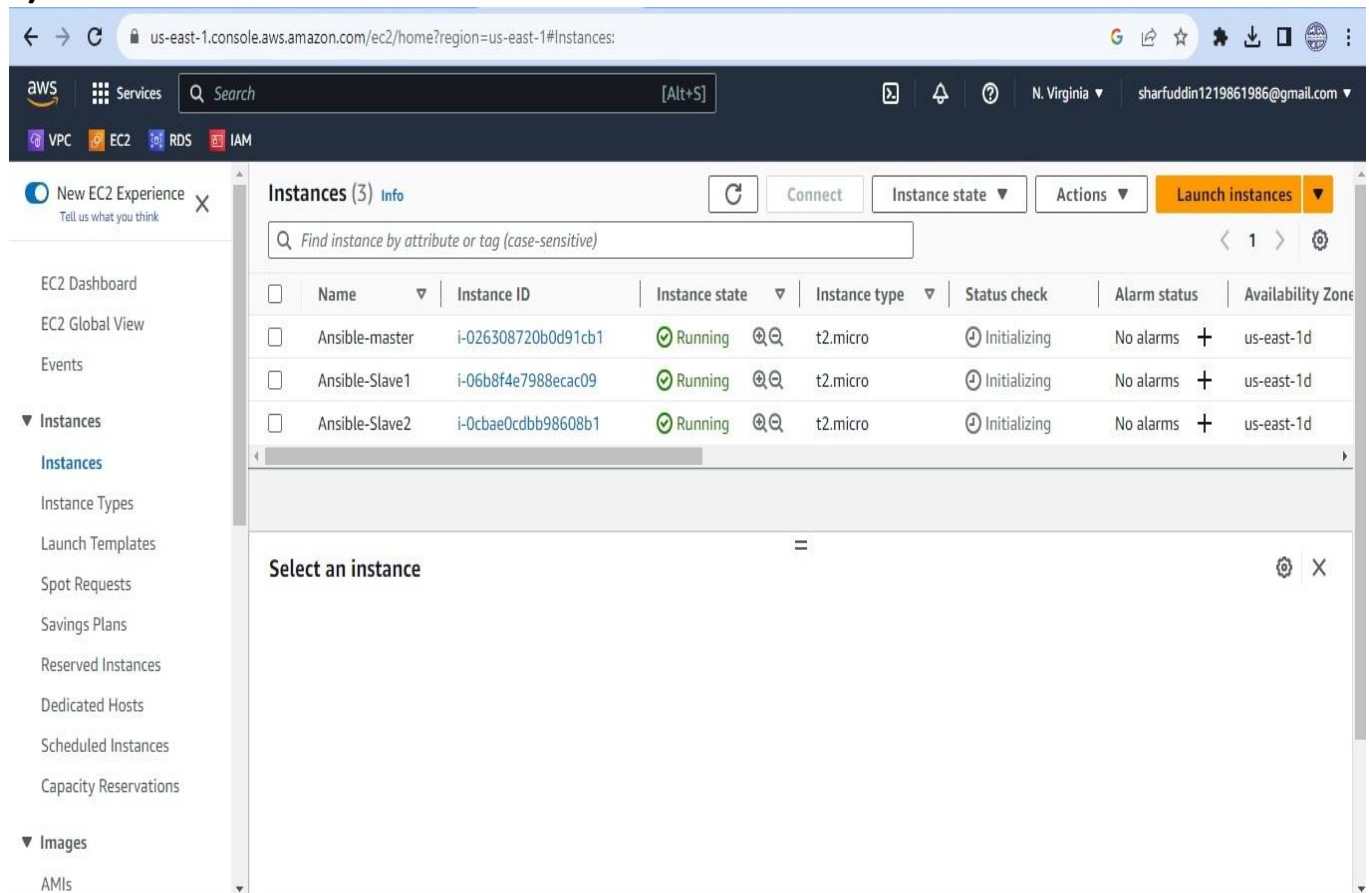


Tasks To Be Performed:

1. Create a script which can add text "This text has been added by custom script" to /tmp.1.txt
2. Run this script using Ansible on all the hosts

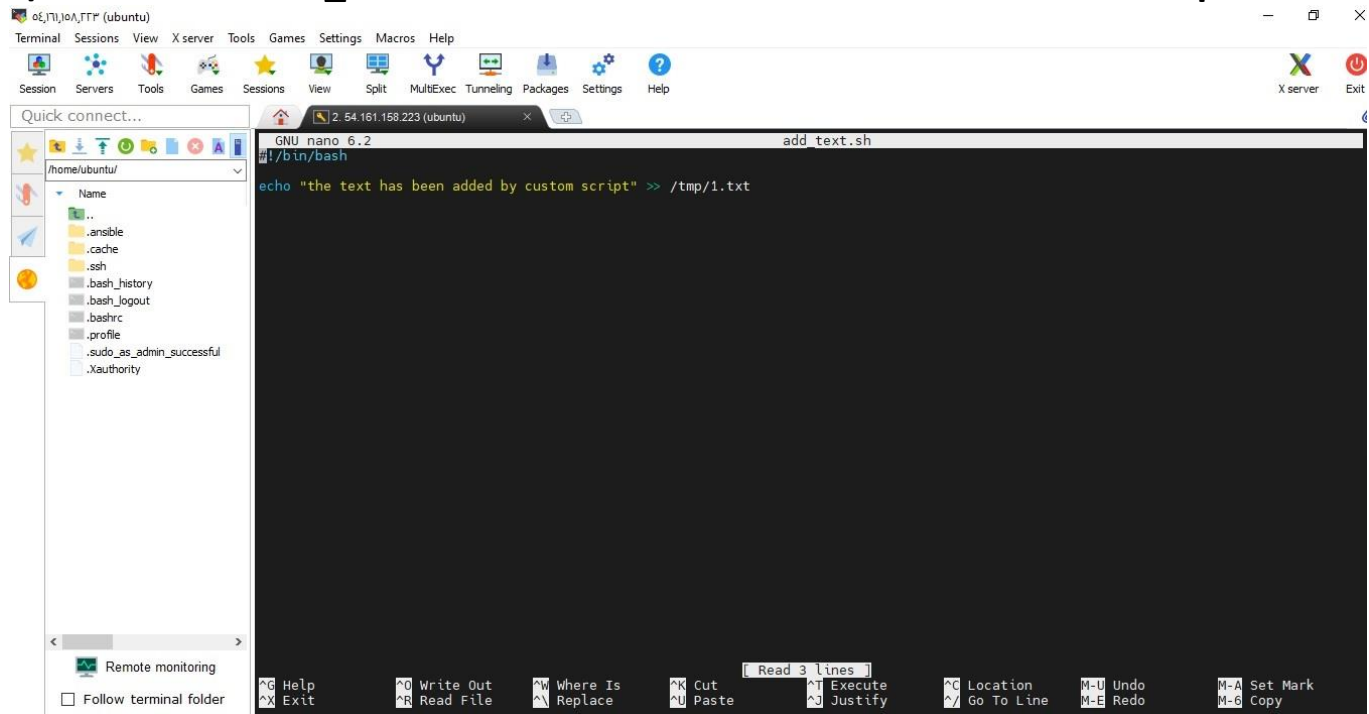
1) Create three EC2 instance with one Ansible master and 2 slave node.



The screenshot displays the AWS Management Console interface for the 'Instances' page in the us-east-1 region. The console shows three EC2 instances: 'Ansible-master', 'Ansible-Slave1', and 'Ansible-Slave2'. All three instances are in the 'Running' state. The 'Ansible-master' instance has an Instance ID of i-026308720b0d91cb1, while the two slave instances have IDs i-06b8f4e7988ecac09 and i-0cbae0cbb98608b1 respectively. All instances are of type 't2.micro' and are located in the 'us-east-1d' Availability Zone. The status check for all instances is 'Initializing'. The console also shows a search bar and various action buttons like 'Connect', 'Instance state', 'Actions', and 'Launch instances'.

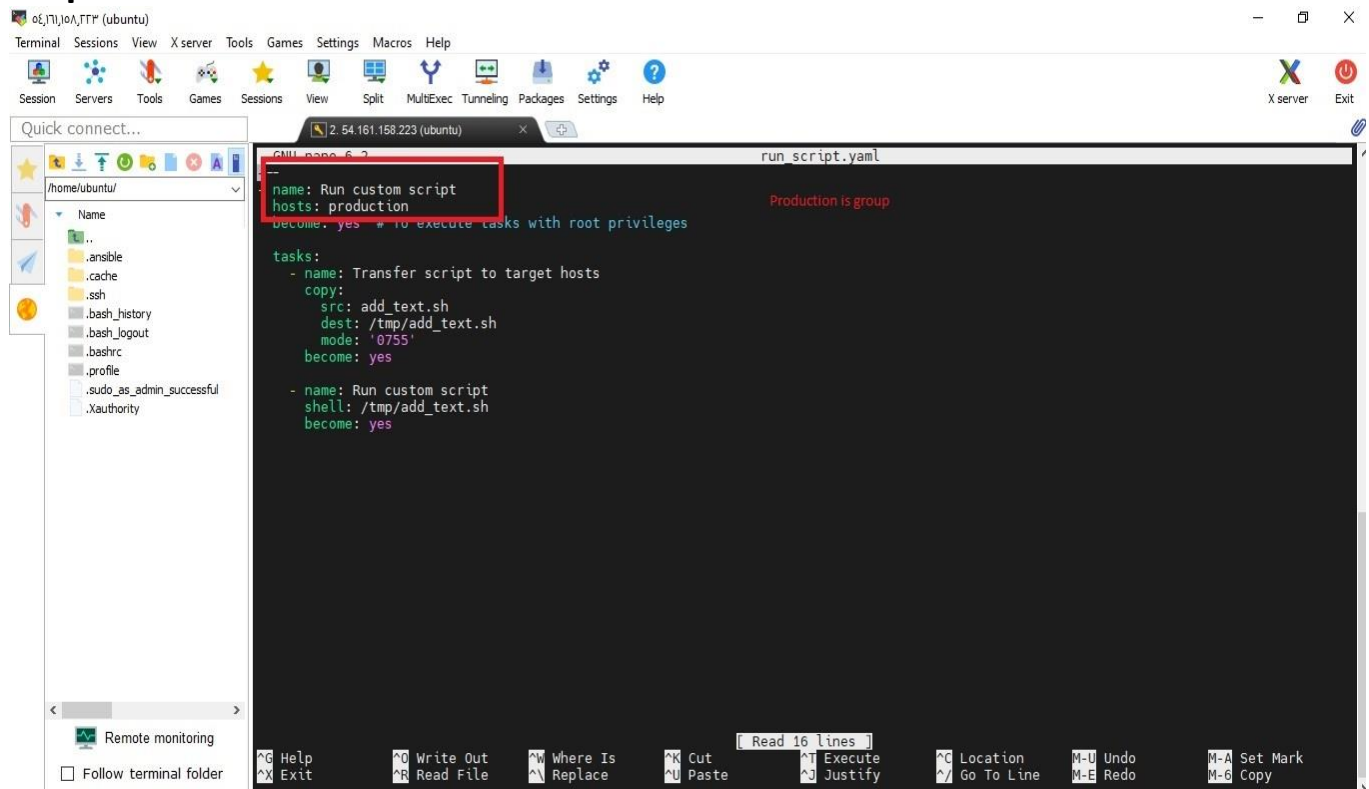
Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
Ansible-master	i-026308720b0d91cb1	Running	t2.micro	Initializing	No alarms	us-east-1d
Ansible-Slave1	i-06b8f4e7988ecac09	Running	t2.micro	Initializing	No alarms	us-east-1d
Ansible-Slave2	i-0cbae0cbb98608b1	Running	t2.micro	Initializing	No alarms	us-east-1d

2)create a file add_text.sh in Ansible master machine and write script.



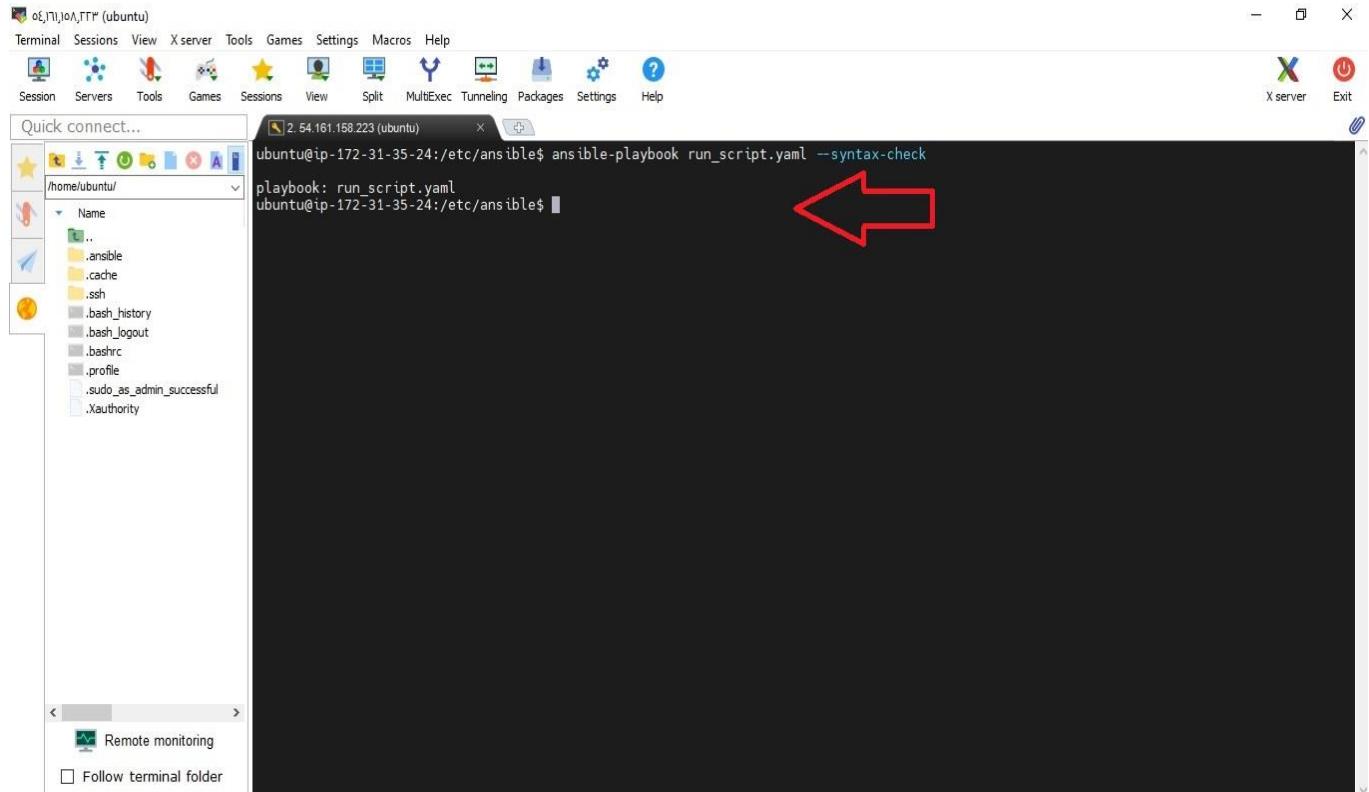
```
GNU nano 6.2 add_text.sh
#!/bin/bash
echo "the text has been added by custom script" >> /tmp/1.txt
```

2)create a playbook and add group name production for run this particular script.

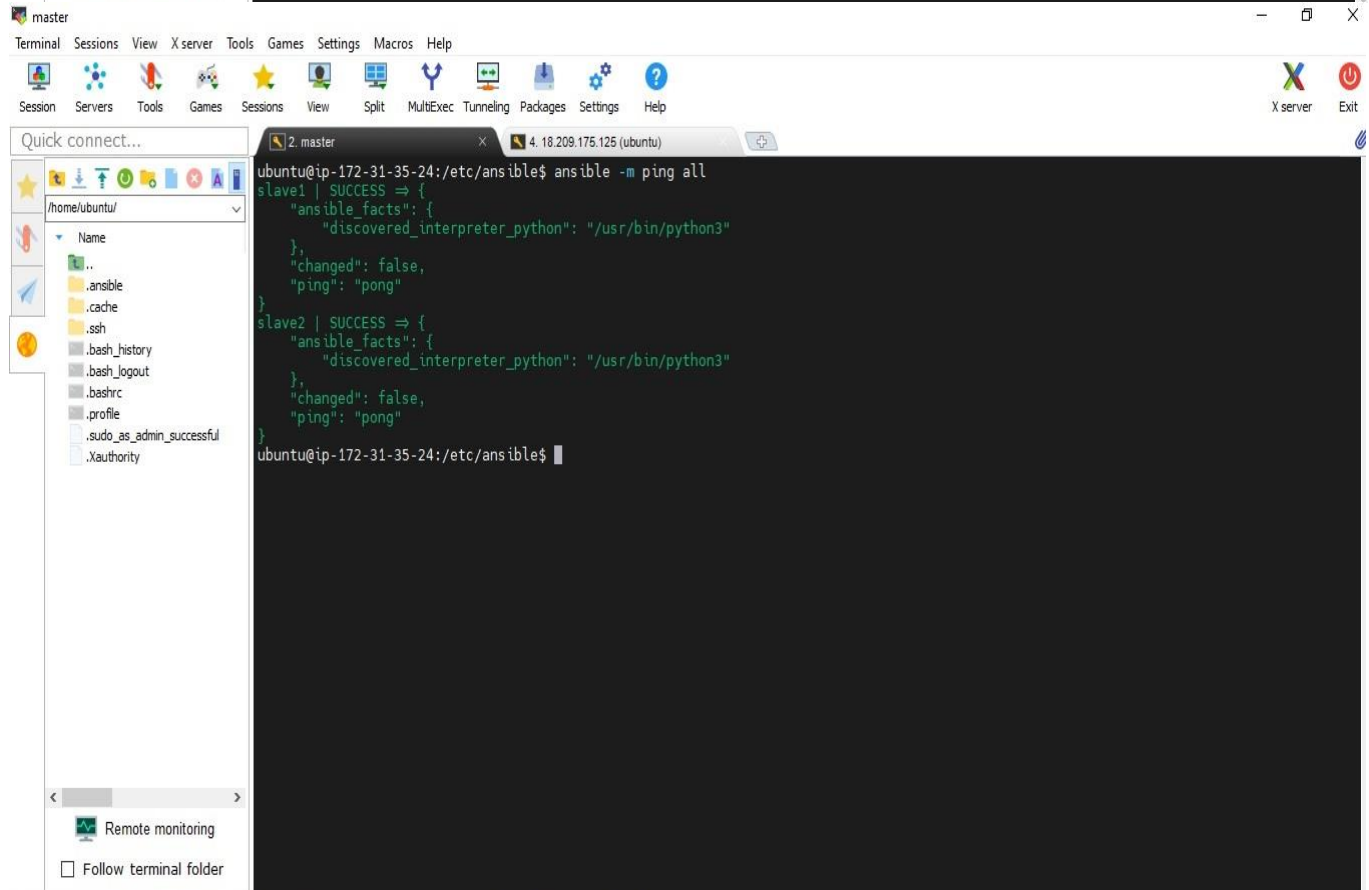


```
run_script.yaml
---
name: Run custom script
hosts: production
become: yes # to execute tasks with root privileges

tasks:
  - name: Transfer script to target hosts
    copy:
      src: add_text.sh
      dest: /tmp/add_text.sh
      mode: '0755'
      become: yes
  - name: Run custom script
    shell: /tmp/add_text.sh
    become: yes
```

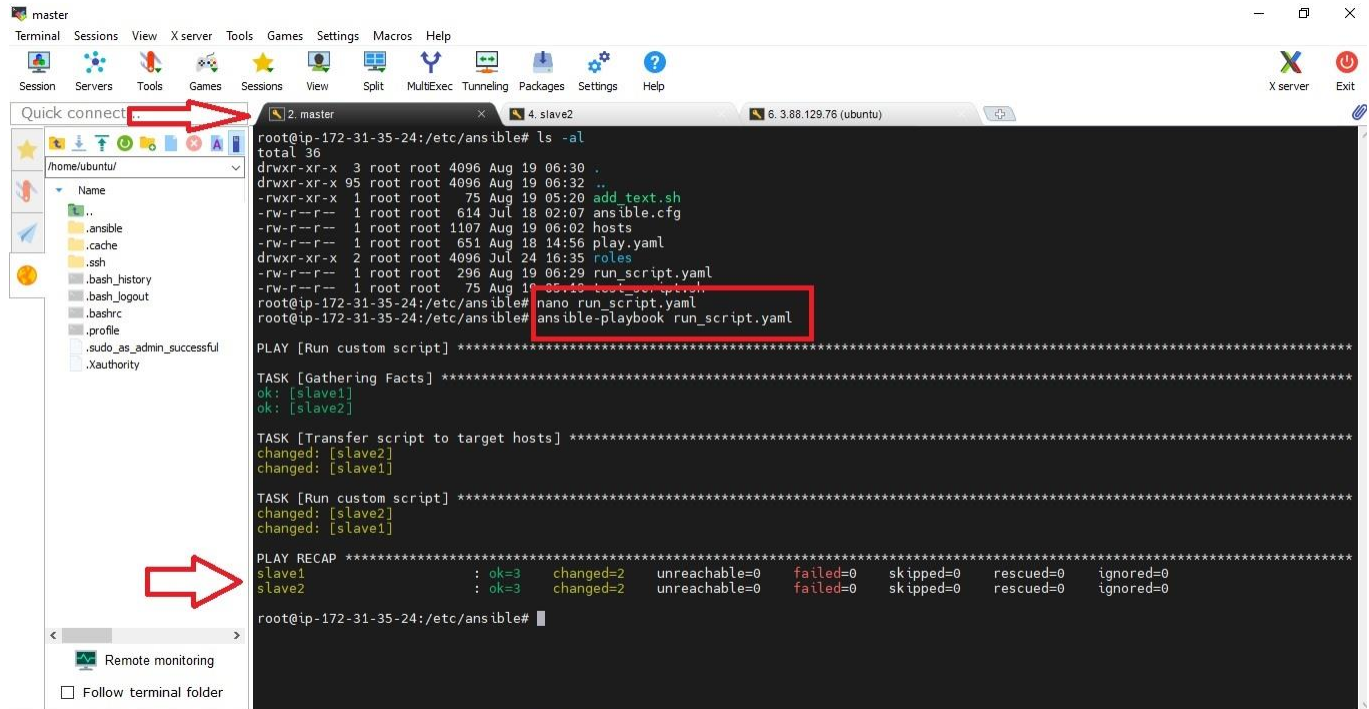


```
ubuntu@ip-172-31-35-24:/etc/ansible$ ansible-playbook run_script.yaml --syntax-check
playbook: run_script.yaml
ubuntu@ip-172-31-35-24:/etc/ansible$
```



```
ubuntu@ip-172-31-35-24:/etc/ansible$ ansible -m ping all
slave1 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
slave2 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
ubuntu@ip-172-31-35-24:/etc/ansible$
```

3)Run the Playbook



The screenshot shows the Ansible terminal on the master machine. The left sidebar displays the file explorer with the path `/home/ubuntu/`. The main terminal window shows the execution of the `ansible-playbook run_script.yaml` command. The output includes the following tasks:

```

root@ip-172-31-35-24:/etc/ansible# ls -al
total 36
drwxr-xr-x 3 root root 4096 Aug 19 06:30 .
drwxr-xr-x 95 root root 4096 Aug 19 06:32 ..
-rwxr-xr-x 1 root root 75 Aug 19 05:20 add_text.sh
-rw-r--r-- 1 root root 614 Jul 18 02:07 ansible.cfg
-rw-r--r-- 1 root root 1107 Aug 19 06:02 hosts
-rw-r--r-- 1 root root 651 Aug 18 14:56 play.yaml
drwxr-xr-x 2 root root 4096 Jul 24 16:35 roles
-rw-r--r-- 1 root root 296 Aug 19 06:29 run_script.yaml
-rw-r--r-- 1 root root 75 Aug 19 05:10 test_script.sh
root@ip-172-31-35-24:/etc/ansible# nano run_script.yaml
root@ip-172-31-35-24:/etc/ansible# ansible-playbook run_script.yaml

PLAY [Run custom script] *****

TASK [Gathering Facts] *****
ok: [slave1]
ok: [slave2]

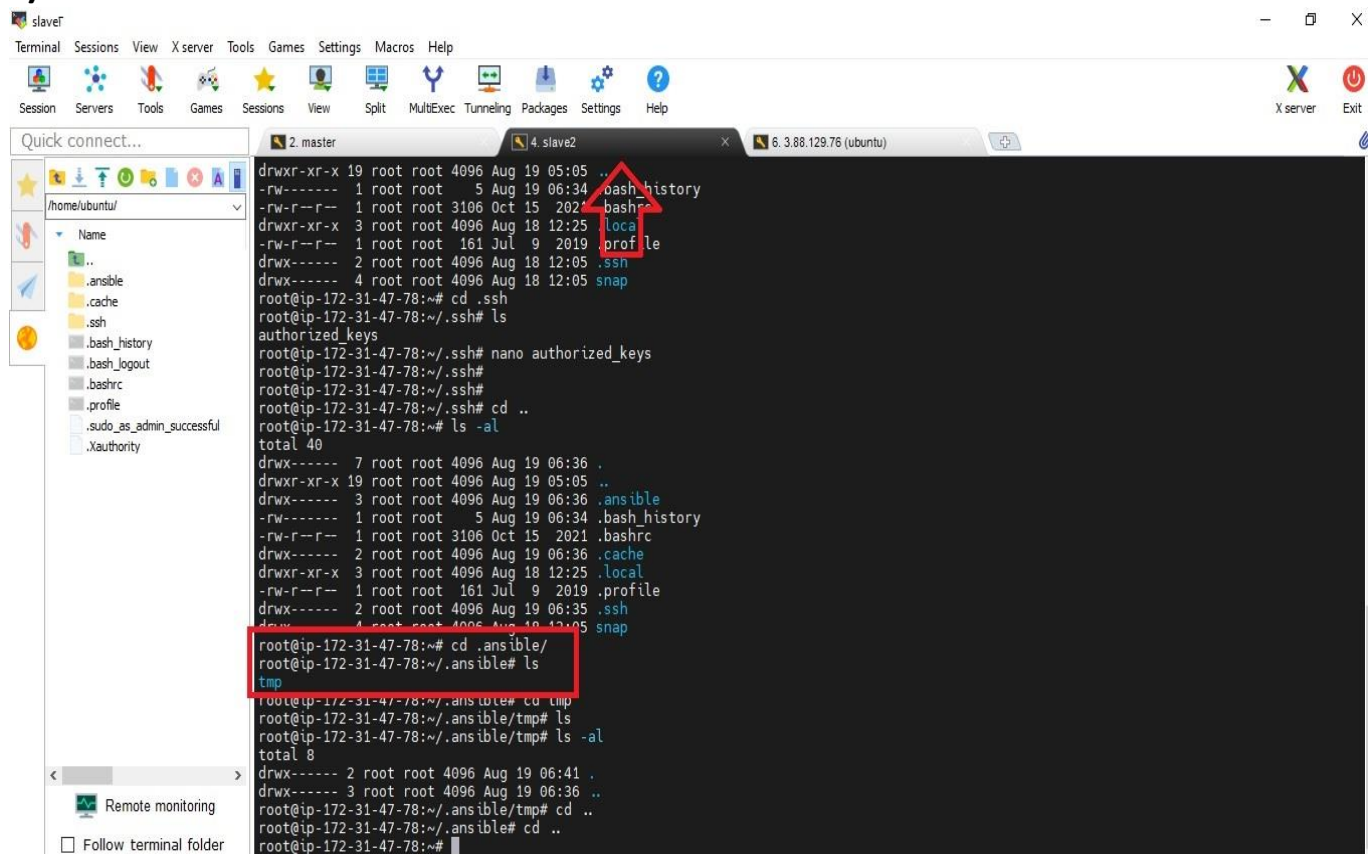
TASK [Transfer script to target hosts] *****
changed: [slave2]
changed: [slave1]

TASK [Run custom script] *****
changed: [slave2]
changed: [slave1]

PLAY RECAP *****
slave1      : ok=3    changed=2    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
slave2      : ok=3    changed=2    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
root@ip-172-31-35-24:/etc/ansible#

```

4)Check on slave machine.

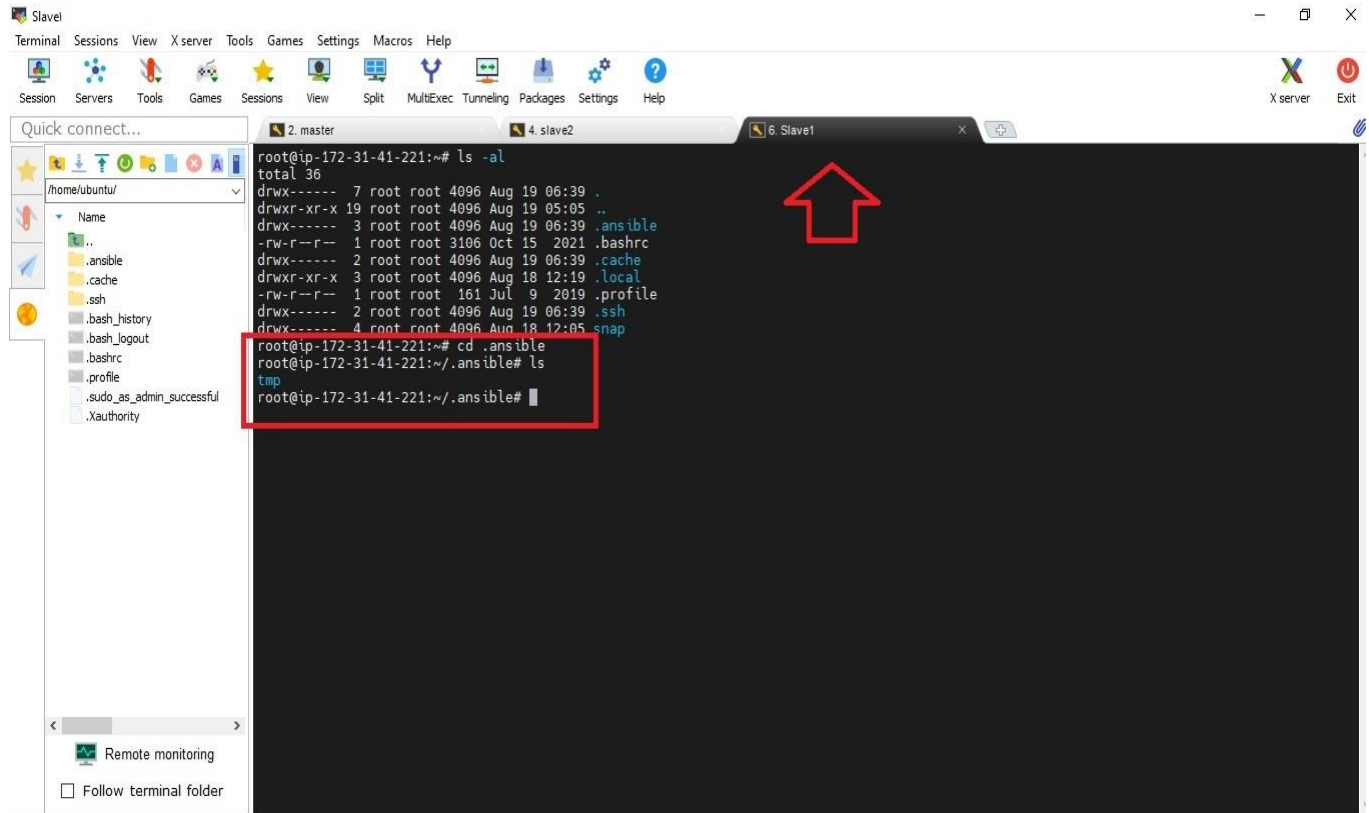


The screenshot shows the Ansible terminal on the slave machine. The left sidebar displays the file explorer with the path `/home/ubuntu/`. The main terminal window shows the execution of the `cd .ssh` command and the `ls` command, listing the contents of the `.ssh` directory. The output includes the following files:

```

root@ip-172-31-47-78:~# cd .ssh
root@ip-172-31-47-78:~/.ssh# ls
authorized_keys
root@ip-172-31-47-78:~/.ssh# nano authorized_keys
root@ip-172-31-47-78:~/.ssh#
root@ip-172-31-47-78:~/.ssh# cd ..
root@ip-172-31-47-78:~# ls -al
total 40
drwx----- 7 root root 4096 Aug 19 06:36 .
drwxr-xr-x 19 root root 4096 Aug 19 05:05 ..
drwx----- 3 root root 4096 Aug 19 06:36 .ansible
-rw----- 1 root root 5 Aug 19 06:34 .bash_history
-rw-r--r-- 1 root root 3106 Oct 15 2021 .bashrc
drwxr-xr-x 3 root root 4096 Aug 18 12:25 .cache
-rw-r--r-- 1 root root 161 Jul 9 2019 .profile
drwx----- 2 root root 4096 Aug 18 12:05 .ssh
drwx----- 4 root root 4096 Aug 18 12:05 .snap
root@ip-172-31-47-78:~# cd .ansible/
root@ip-172-31-47-78:~/.ansible# ls
tmp
root@ip-172-31-47-78:~/.ansible# cd tmp
root@ip-172-31-47-78:~/.ansible/tmp# ls
root@ip-172-31-47-78:~/.ansible/tmp# ls -al
total 8
drwx----- 2 root root 4096 Aug 19 06:41 .
drwx----- 3 root root 4096 Aug 19 06:36 ..
root@ip-172-31-47-78:~/.ansible/tmp# cd ..
root@ip-172-31-47-78:~/.ansible# cd ..
root@ip-172-31-47-78:~#

```



```
root@ip-172-31-41-221:~# ls -al
total 36
drwx----- 7 root root 4096 Aug 19 06:39 .
drwxr-xr-x 19 root root 4096 Aug 19 05:05 ..
drwx----- 3 root root 4096 Aug 19 06:39 .ansible
-rw-r--r-- 1 root root 3106 Oct 15 2021 .bashrc
drwx----- 2 root root 4096 Aug 19 06:39 .cache
drwxr-xr-x 3 root root 4096 Aug 18 12:19 .local
-rw-r--r-- 1 root root 161 Jul 9 2019 .profile
drwx----- 2 root root 4096 Aug 19 06:39 .ssh
drwx----- 4 root root 4096 Aug 18 12:05 snap

root@ip-172-31-41-221:~# cd .ansible
root@ip-172-31-41-221:~/ansible# ls
tmp
root@ip-172-31-41-221:~/ansible#
```

All the steps completed and screenshot also attached, still if any thing requires, please email me or call me on my registered number and please share the obtained marks on my email.