

Q-4:

This is the playbook I have written in order create a user with home directory and added them to sudo group

```
master@master-vm:~/Desktop$ cat create-sudo-user.yml
---
- name: Create a sudo user on remote hosts
  hosts: all
  become: yes
  vars:
    username: devuser

  tasks:
    - name: Create user with home directory
      user:
        name: "{{ username }}"
        state: present
        create_home: yes

    - name: Add user to sudo group on Debian/Ubuntu
      user:
        name: "{{ username }}"
        groups: sudo
        append: yes
      when: ansible_facts['os_family'] == "Debian"

    - name: Add user to wheel group on RHEL/CentOS
      user:
        name: "{{ username }}"
        groups: wheel
        append: yes
      when: ansible_facts['os_family'] == "RedHat"
```

Output: after running the play book as usual hosts file contain the master and worker nodes:

```
master@master-vm: ~/Desktop$ ansible-playbook create-sudo-user.yml -i inventory/hosts --ask-pass --ask-become-pass
SSH password:
BECOME password[defaults to SSH password]:

PLAY [Create a sudo user on remote hosts] *****

TASK [Gathering Facts] *****
ok: [worker1]
ok: [worker2]
ok: [master]

TASK [Create user with home directory] *****
changed: [worker2]
changed: [worker1]
changed: [master]

TASK [Add user to sudo group on Debian/Ubuntu] *****
changed: [worker1]
changed: [worker2]
changed: [master]

TASK [Add user to wheel group on RHEL/CentOS] *****
skipping: [master]
skipping: [worker1]
skipping: [worker2]

PLAY RECAP *****
master                : ok=3    changed=2    unreachable=0    failed=0    skipped=1    rescued=0    ignored=0
worker1               : ok=3    changed=2    unreachable=0    failed=0    skipped=1    rescued=0    ignored=0
worker2               : ok=3    changed=2    unreachable=0    failed=0    skipped=1    rescued=0    ignored=0
```

With username Jithendra:

```
master@master-vm: ~/Desktop$ ansible-playbook create-sudo-user.yml -i inventory/hosts -e "username=jithendra" --ask-pass --ask-become-pass
SSH password:
BECOME password[defaults to SSH password]:

PLAY [Create a sudo user on remote hosts] *****

TASK [Gathering Facts] *****
ok: [worker2]
ok: [worker1]
ok: [master]

TASK [Create user with home directory] *****
changed: [worker2]
changed: [worker1]
changed: [master]

TASK [Add user to sudo group on Debian/Ubuntu] *****
changed: [worker1]
changed: [worker2]
changed: [master]

TASK [Add user to wheel group on RHEL/CentOS] *****
skipping: [master]
skipping: [worker1]
skipping: [worker2]

PLAY RECAP *****
master                : ok=3    changed=2    unreachable=0    failed=0    skipped=1    rescued=0    ignored=0
worker1               : ok=3    changed=2    unreachable=0    failed=0    skipped=1    rescued=0    ignored=0
worker2               : ok=3    changed=2    unreachable=0    failed=0    skipped=1    rescued=0    ignored=0
```

Checking whether its created or not:

```
master@master-vm: ~/Desktop$ ansible all -i inventory/hosts -m shell -a "id devuser" --ask-pass --ask-become-pass
SSH password:
BECOME password[defaults to SSH password]:
worker1 | CHANGED | rc=0 >>
uid=1001(devuser) gid=1001(devuser) groups=1001(devuser),27(sudo)
worker2 | CHANGED | rc=0 >>
uid=1001(devuser) gid=1001(devuser) groups=1001(devuser),27(sudo)
master | CHANGED | rc=0 >>
uid=1002(devuser) gid=1002(devuser) groups=1002(devuser),27(sudo)
master@master-vm: ~/Desktop$
```