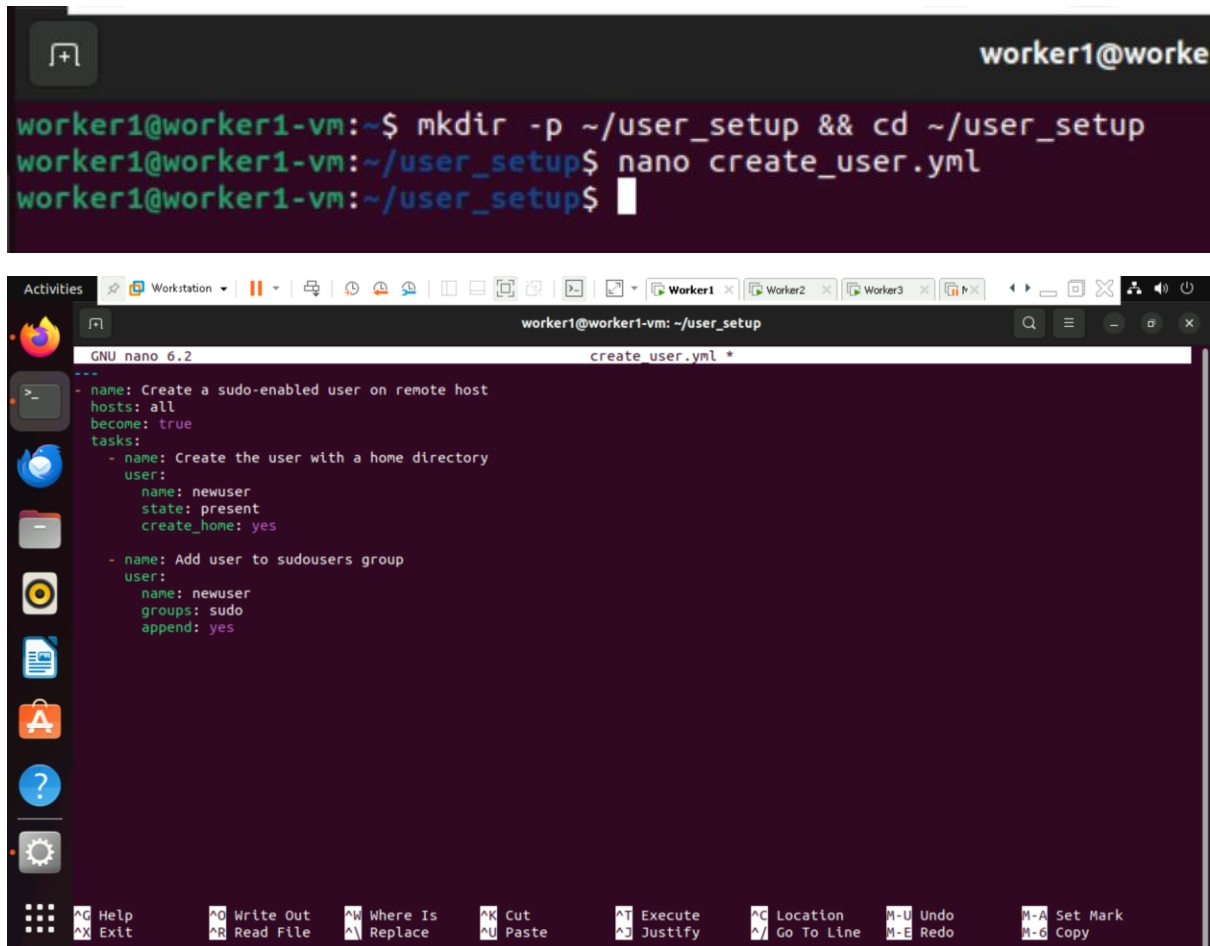


Question:

Create an Ansible playbook to create a user with a home directory and add him to the sudousers group.

Solution:

1. Create playbook



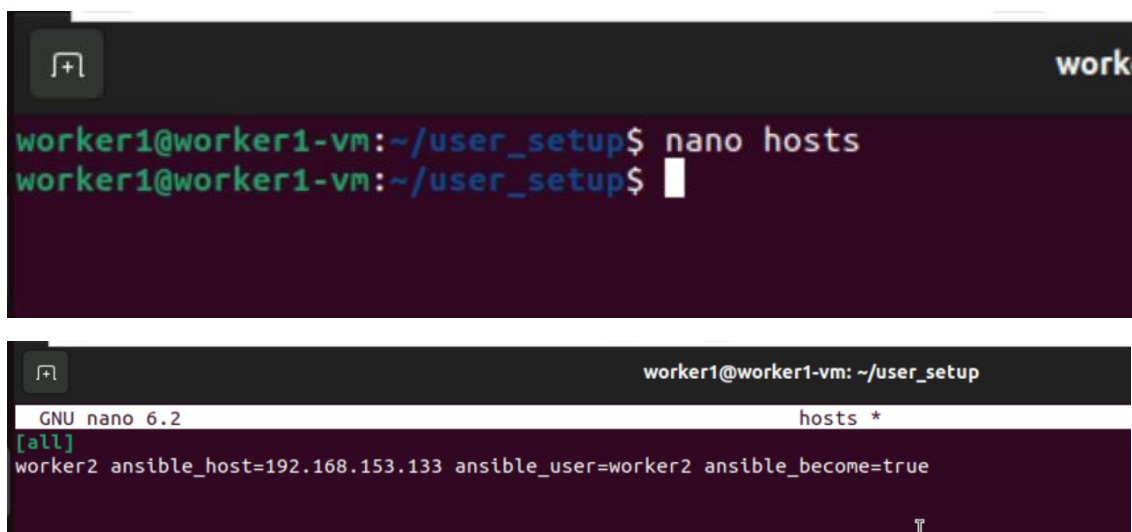
The first screenshot shows a terminal window with the following commands and output:

```
worker1@worker1-vm:~$ mkdir -p ~/user_setup && cd ~/user_setup
worker1@worker1-vm:~/user_setup$ nano create_user.yml
worker1@worker1-vm:~/user_setup$
```

The second screenshot shows the nano editor editing the file `create_user.yml`. The content of the file is:

```
---
- name: Create a sudo-enabled user on remote host
  hosts: all
  become: true
  tasks:
    - name: Create the user with a home directory
      user:
        name: newuser
        state: present
        create_home: yes
    - name: Add user to sudousers group
      user:
        name: newuser
        groups: sudo
        append: yes
```

2. Create Inventory file



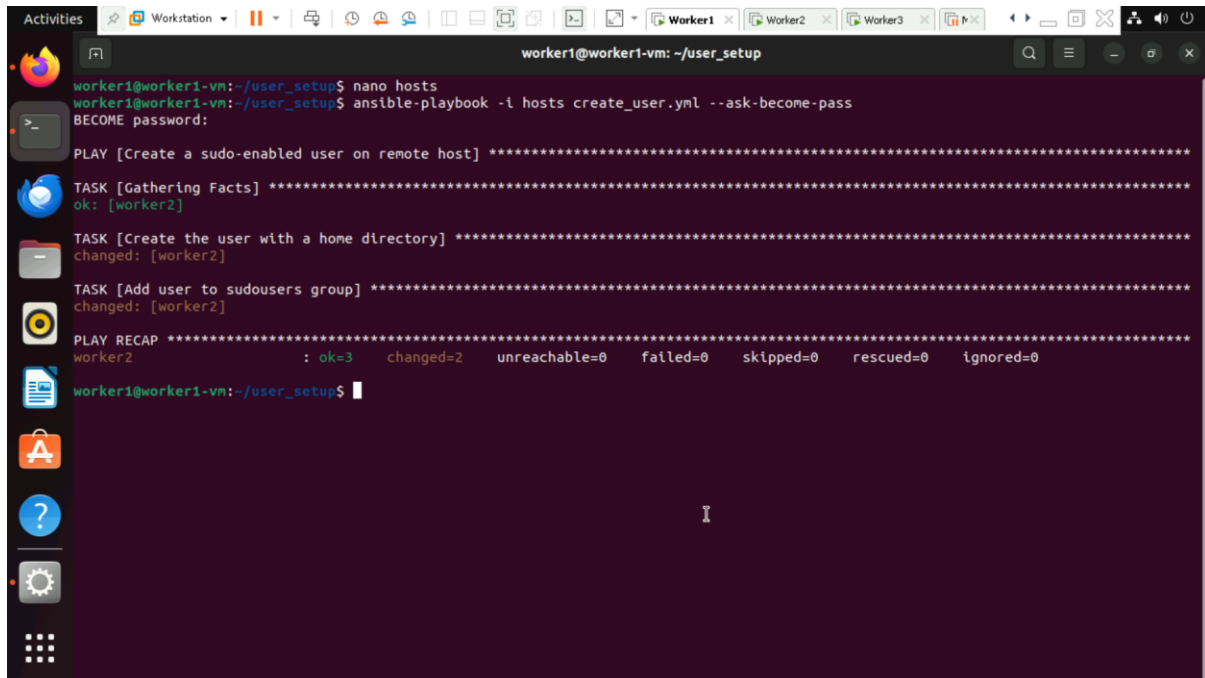
The third screenshot shows a terminal window with the following commands and output:

```
worker1@worker1-vm:~/user_setup$ nano hosts
worker1@worker1-vm:~/user_setup$
```

The fourth screenshot shows the nano editor editing the file `hosts`. The content of the file is:

```
[all]
worker2 ansible_host=192.168.153.133 ansible_user=worker2 ansible_become=true
```

3. Run Playbook

A terminal window titled 'worker1@worker1-vm: ~/user_setup' showing the execution of an Ansible playbook. The user runs 'nano hosts' and then 'ansible-playbook -i hosts create_user.yml --ask-become-pass'. The output shows the playbook running on 'worker2' with tasks for gathering facts, creating a user, and adding the user to the sudoers group. A play recap shows 3 OK, 2 changed, and 0 failed tasks.

```
worker1@worker1-vm:~/user_setup$ nano hosts
worker1@worker1-vm:~/user_setup$ ansible-playbook -i hosts create_user.yml --ask-become-pass
BECOME password:

PLAY [Create a sudo-enabled user on remote host] *****

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

TASK [Create the user with a home directory] *****
changed: [worker2]

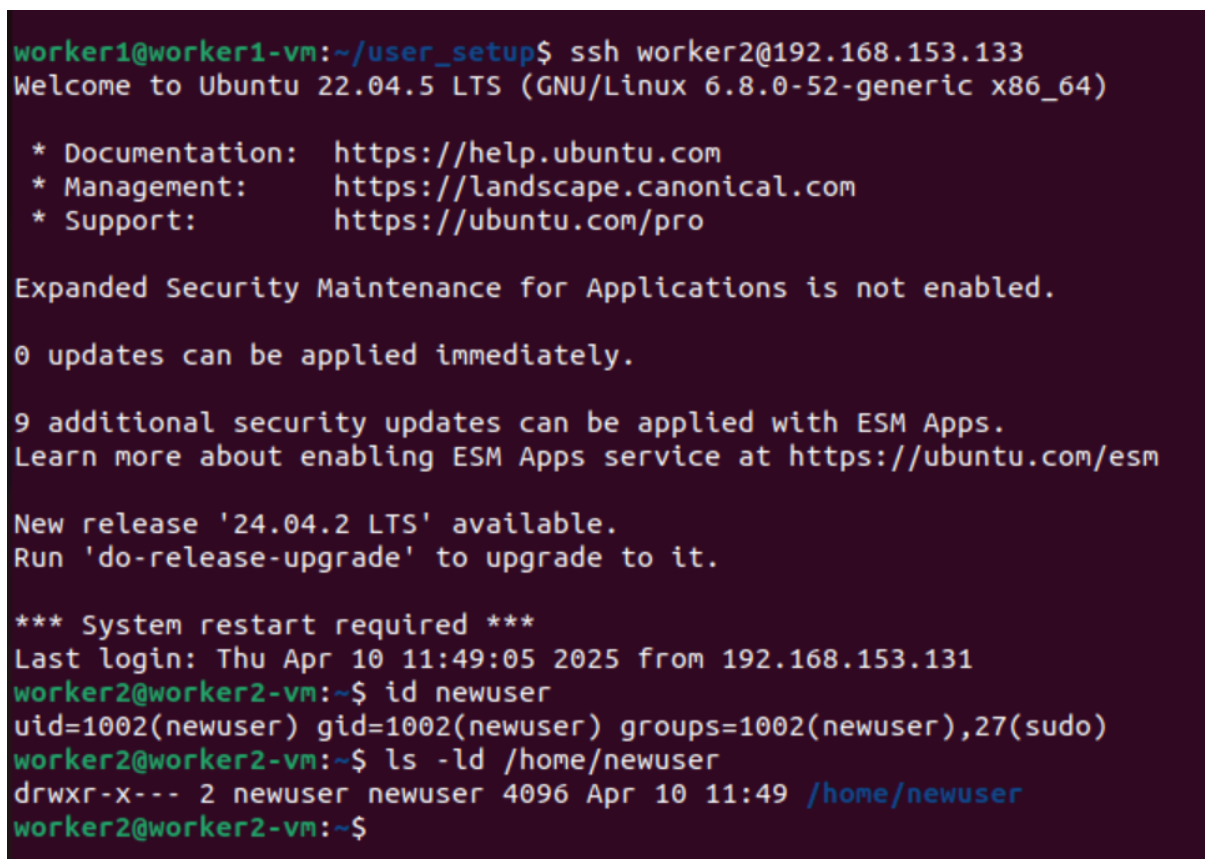
TASK [Add user to sudoers group] *****
changed: [worker2]

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

worker1@worker1-vm:~/user_setup$
```

Output Check:

User named “newuser” is created

A terminal window showing an SSH session from worker1 to worker2. The output includes the Ubuntu welcome message, system updates information, and verification of the 'newuser' user's existence and permissions.

```
worker1@worker1-vm:~/user_setup$ ssh worker2@192.168.153.133
Welcome to Ubuntu 22.04.5 LTS (GNU/Linux 6.8.0-52-generic x86_64)

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

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

9 additional security updates can be applied with ESM Apps.
Learn more about enabling ESM Apps service at https://ubuntu.com/esm

New release '24.04.2 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

*** System restart required ***
Last login: Thu Apr 10 11:49:05 2025 from 192.168.153.131
worker2@worker2-vm:~$ id newuser
uid=1002(newuser) gid=1002(newuser) groups=1002(newuser),27(sudo)
worker2@worker2-vm:~$ ls -ld /home/newuser
drwxr-x--- 2 newuser newuser 4096 Apr 10 11:49 /home/newuser
worker2@worker2-vm:~$
```