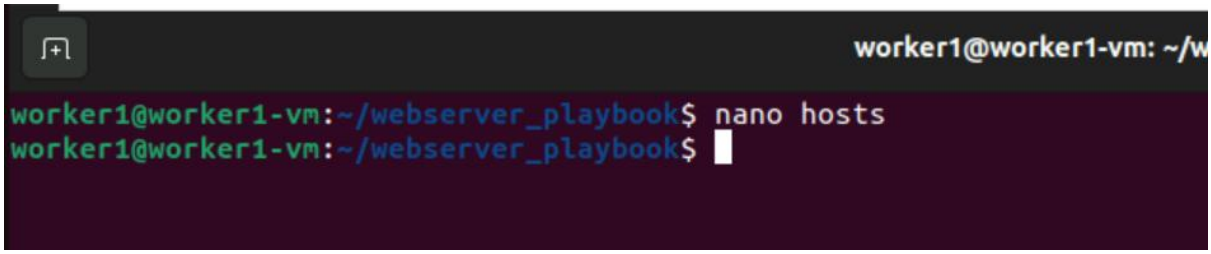
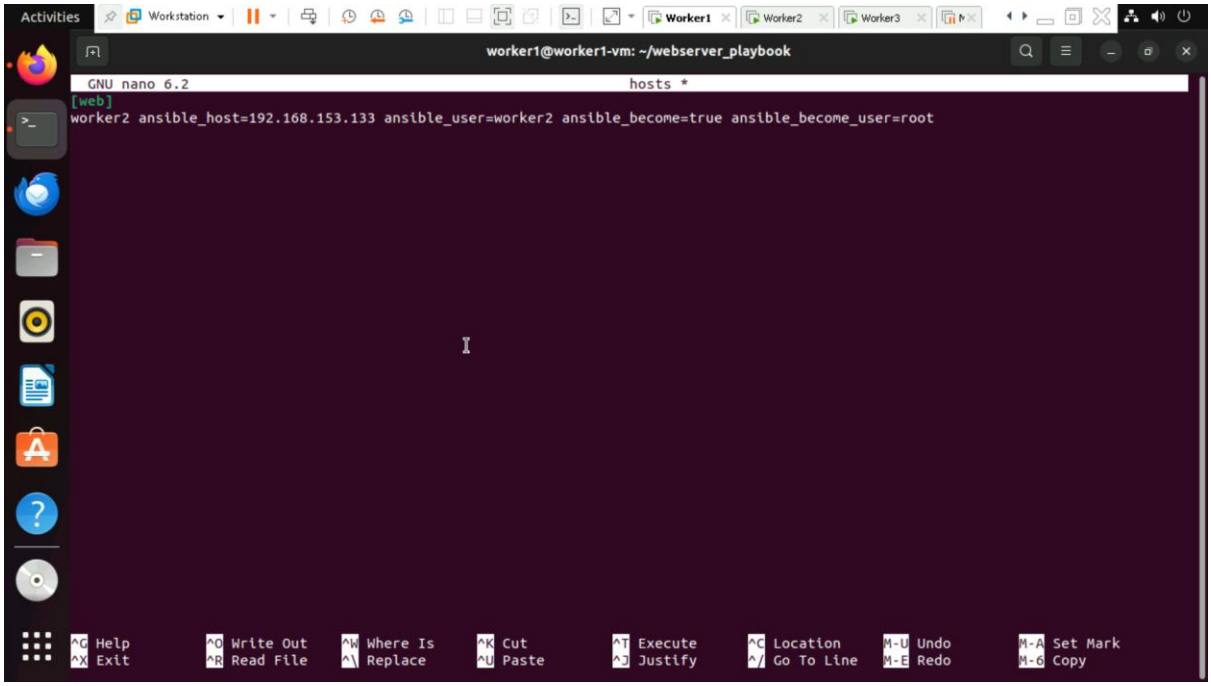
Question:

Write an Ansible playbook to a web server on the remote host with the following conditions:
· Install the right package (apache2 if it is Ubuntu, httpd if is RedHat) based on the Linux distribution
· Validate the right version is installed
· copy the local website content to the remote host and set the permissions to 0644
· and then start the service

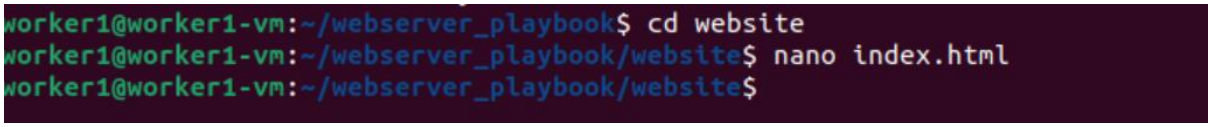
Solution:

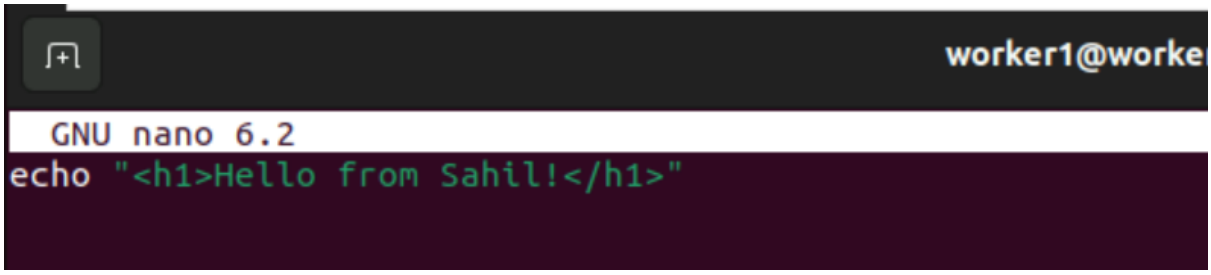
1. Create Inventory file



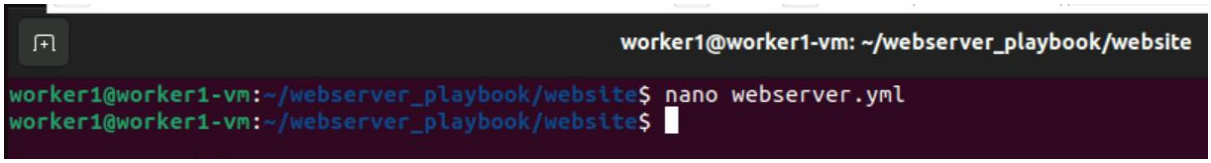


2. Create Website files

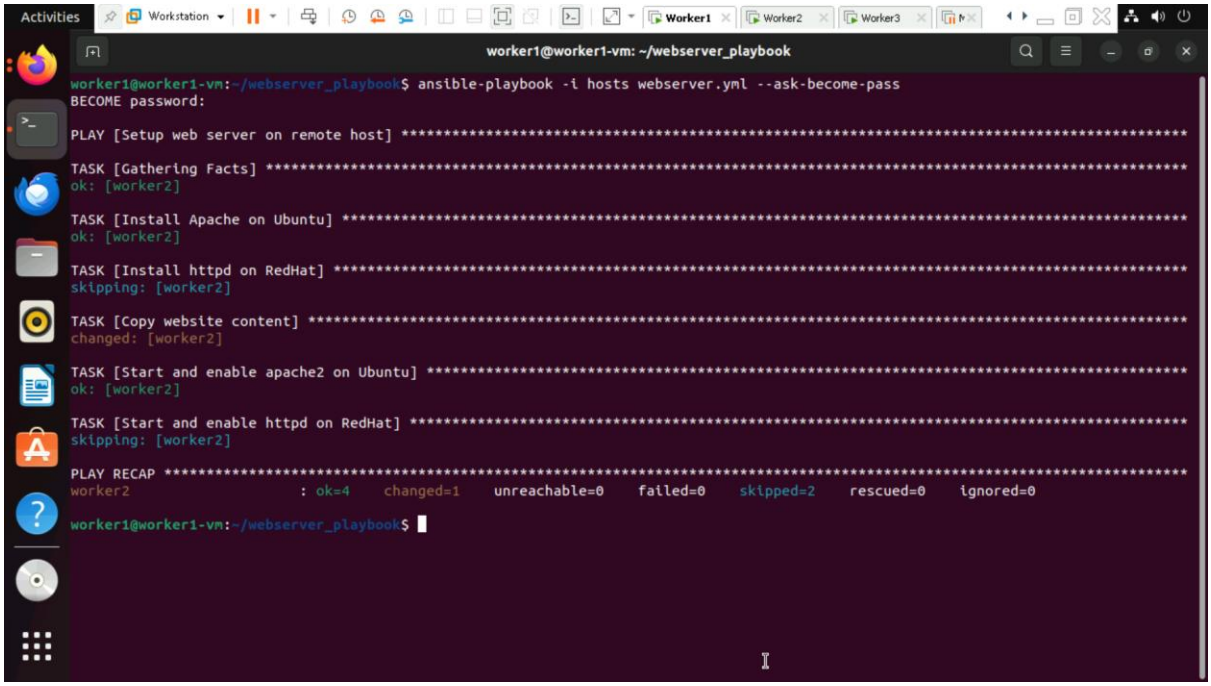




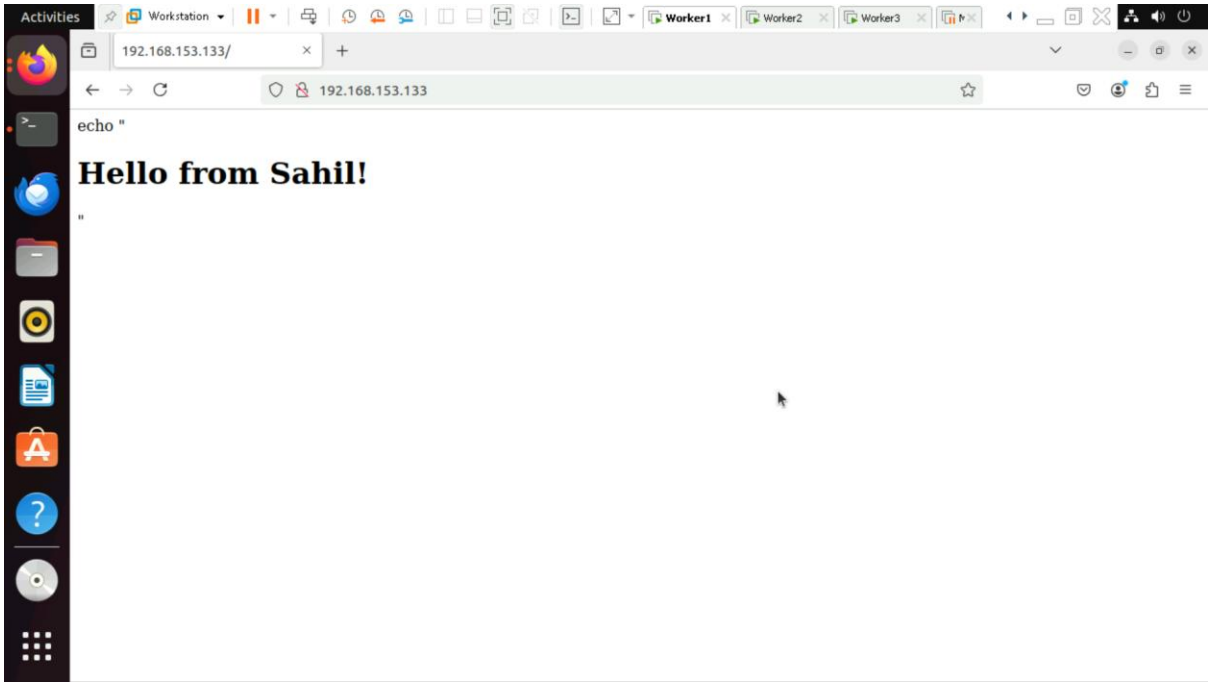
3. Create Playbook



4. Run the playbook


Activities
Workstation
Worker1
Worker2
Worker3
worker1@worker1-vm: ~/webserver_playbook
worker1@worker1-vm:~/webserver_playbook$ ansible-playbook -i hosts webserver.yml --ask-become-pass
BECOME password:
PLAY [Setup web server on remote host] ****
TASK [Gathering Facts] ****
ok: [worker2]
TASK [Install Apache on Ubuntu] ****
ok: [worker2]
TASK [Install httpd on RedHat] ****
skipping: [worker2]
TASK [Copy website content] ****
changed: [worker2]
TASK [Start and enable apache2 on Ubuntu] ****
ok: [worker2]
TASK [Start and enable httpd on RedHat] ****
skipping: [worker2]
PLAY RECAP ****
worker2 : ok=4 changed=1 unreachable=0 failed=0 skipped=2 rescued=0 ignored=0
worker1@worker1-vm:~/webserver_playbook$

Output:


Activities
Workstation
Worker1
Worker2
Worker3
192.168.153.133/
192.168.153.133
echo "
Hello from Sahil!
"