Name: Bodakhe Samruddhi Dadasaheb

PRN:2124UDSF1053

SET 3

Q.1

Ans:

```
Terminal
  sanjivani@sanjivani-MS-7E44:~$ sudo apt update
 sudo apt install nginx -y
sudo systemctl start nginx
   sudo systemctl enable nginx
 sudo systemctl status nginx
Hit:1 https://download.docker.com/linux/ubuntu noble InRelease
Hit:1 https://download.docker.com/linux/ubuntu noble InRelease
Ign:2 https://pkg.jenkins.io/debian binary/ InRelease
Hit:3 https://pkg.jenkins.io/debian binary/ Release
Hit:5 http://archive.ubuntu.com/ubuntu noble InRelease
Get:6 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Hit:7 http://security.ubuntu.com/ubuntu noble-security InRelease
Hit:8 https://ppa.launchpadcontent.net/ansible/ansible/ubuntu noble InRelease
Get:9 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:10 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [175 kB]
Get:11 http://archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [377 kB]
Get:13 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [940 B]
Get:13 http://archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [940 B]
Get:14 http://archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [7,148 B]
 Get:14 http://archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [7,148 B]
Get:15 http://archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]
Get:16 http://archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [11.0 kB]
 Get:17 http://archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [11.0 kg]
Fetched 824 kB in 2s (409 kB/s)
Reading package lists... Done
Building dependency tree... Done
 Reading package lists... Done
4 packages can be upgraded. Run 'apt list --upgradable' to see them.
Reading package lists... Done
Building dependency tree... Done
 Reading state information... Done
The following additional packages will be installed:
      nginx-common
  Suggested packages:
  fcgiwrap nginx-doc
The following NEW packages will be installed:
      nginx nginx-common
 nginx nginx-common
0 upgraded, 2 newly installed, 0 to remove and 4 not upgraded.

Need to get 564 kB of archives.

After this operation, 1,596 kB of additional disk space will be used.

Get:1 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 nginx-common all 1.24.0-2ubuntu7.5 [43.4 kB]

Get:2 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 nginx amd64 1.24.0-2ubuntu7.5 [520 kB]

Fetched 564 kB in 2s (320 kB/s)
  Preconfiguring packages ...
 Selecting previously unselected package nginx-common. (Reading database ... 226472 files and directories currently installed.) Preparing to unpack .../nginx-common_1.24.0-2ubuntu7.5_all.deb ...
```

```
Synchronizing state of nginx.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.

Executing: /usr/lib/systemd/systemd-sysv-install enable nginx

nginx.service - A high performance web server and a reverse proxy server

Loaded: loaded (/usr/lib/systemd/system/nginx.service; enabled; preset: enabled)
      Active: active (running) since Wed 2025-10-15 12:47:03 IST; 2s ago Docs: man:nginx(8)
   Main PID: 20722 (nginx)
Tasks: 13 (limit: 18694)
Memory: 8.9M (peak: 20.8M)
CPU: 93ms
      CGroup: /system.slice/nginx.service
                 —20722 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
—20724 "nginx: worker process"
                 -20725 ngthx: worker process'
-20726 "nginx: worker process'
-20727 "nginx: worker process'
-20728 "nginx: worker process'
                -20729 "nginx: worker process
-20730 "nginx: worker process
-20731 "nginx: worker process
                 —20732 "nginx: worker process
                 -20732 Ingchx. Worker process
-20734 "nginx: worker process
Oct 15 12:47:03 sanjivani-MS-7E44 systemd[1]: Starting nginx.service - A high performance web server and a reverse pro
Oct 15 12:47:03 sanjivani-MS-7E44 systemd[1]: Started nginx.service - A high performance web server and a reverse prox
sanjivani@sanjivani-MS-7E44:~$ nano hosts.ini
sanjivani@sanjivani-MS-7E44:~$ ansible-playbook.yml
sanjivani@sanjivani-MS-7E44:~$ ansible-playbook -i hosts.ini nginx-playbook.yml
[WARNING]: Platform linux on host localhost is using the discovered Python interpreter at /usr/bin/python3.12, but furmeaning of that path. See https://docs.ansible.com/ansible-core/2.18/reference_appendices/interpreter_discovery.html
```

Playbook:

```
Terminal

CNU nano 7.2

name: Install and start Nginx on managed node
hosts: webservers
# Target the managed node group
become: yes
tasks:

name: Update apt cache
apt:
    update_cache: yes

name: Install Nginx
apt:
    name: nginx
    state: present

name: Ensure Nginx service is running
service:
    name: nginx
    state: started
    enabled: yes
```

Ans:

```
reminal

sanjivani@sanjivani.MS.7E44:-$ docker --version
Occker version 28.5.1, build ci@sea8
sanjivani@sanjivani.MS.7E44:-$ sudo apt update
sudo apt install -y docker.io
sudo systemctl enable --now docker
Ign:1 https://pkg.jenkins.io/debian binary/ InRelease
Htt:3 https://pkg.jenkins.io/debian binary/ Release
Htt:3 https://pkg.jenkins.io/debian binary/ Release
Htt:3 https://pkg.jenkins.io/debian binary/ Release
Htt:3 https://pkg.jenkins.io/debian binary/ Release
Htt:6 http://archive.ubuntu.com/ubuntu noble InRelease
Htt:6 http://archive.ubuntu.com/ubuntu noble InRelease
Htt:7 http://archive.ubuntu.com/ubuntu noble-backports InRelease
Htt:6 http://archive.ubuntu.com/ubuntu noble-backports InRelease
Htt:7 https://pchive.ubuntu.com/ubuntu noble-backports InRelease
Htt:8 https://pchive.ubuntu.com/ubuntu noble-backports InRelease
Htt:9 https://pchive.ubuntu.com/ubuntu noble-backports
Htt:9 https://pchive.ubuntu.com/ubuntu noble-backports
Htt:9 https://pchive.ubuntu.com/ubuntu noble-backports
Htt:9 https://pchive.ubuntu.com/ubuntu noble
Htt:9 https://pchive.ubuntu.com/ubuntu noble
Htt:9 https://pkg.jenkins.io/debian binary/ Release
Htt:
```

```
The companies automate workflows, and more with a free Docker ID:
https://hub.docker.com/
for more examples and Ideas, vist:
https://docs.docker.com/get-started/
sanjivani@sanjivani-MS-7E44:-fmdcker-python
cd -/docker-python
sanjivani@sanjivani-MS-7E44:-fmdcker-python sano app.py
sanjivani@sanjivani-MS-7E44:-fmdcker-pythons nano app.py
sanjivani@sanjivani-MS-7E44:-fmdcker-pythons fmano Dockerfile
sanjivani@sanjivani-MS-7E44:-fmdcker-pythons docker build -t python-hello .
[1] Building 8.9s (8/8) FINISHED

= [vinierani] Losa Dutio definition from Dockerfile
sanjivani@sanjivani-MS-7E44:-fmdcker-pythons docker build -t python-hello .
[2] Building 8.9s (8/8) FINISHED

= [vinierani] Losa Dutio definition from Dockerfile
sanjivani@sanjivani-MS-7E44:-fmdcker-pythons.docker build -t python-hello .
[2] Surfile Finished Sanjivani-MS-7E44:-fmdcker-pythons.docker build -t python-hello .
[3] Building 8.9s (8/8) FINISHED

= [vinierani] Losa Dutio definition from Dockerfile
sanjivani@sanjivani-MS-7E44:-fmdcker-pythons.docker build -t python-hello .
[4] Building 8.9s (8/8) FINISHED

= [vinierani] Losa Dutio definition from Dockerfile
sanjivani@sanjivani-MS-7E44:-fmdcker-pythons.docker build -t python-hello .
[4] Building 8.9s (8/8) FINISHED

= [vinierani] Losa Dutio definition from Dockerfile
sanjivani@sanjivani-MS-7E44:-fmdcker-pythons.docker-pythons.docker-pythons.docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-docker-python-do
```

Q.3

```
sanjivani@sanjivani.MS-7E44:-/docker-pythons cd
sanjivani@sanjivani.MS-7E44:-S git --version
git version 2.43.0
git version 2.43.0
sanjivani@sanjivani.MS-7E44:-S sudo apt update
sudo apt install git v
Htt:1 https://dom.load.docker.com/linus/ubuntu noble InRelease
Ign:2 https://dom.load.docker.com/lunusun.onlinusuntu.com/ubuntu noble InRelease
Itt:5 https://acrive.ubuntu.com/ubuntu noble.updates InRelease
Itt:7 http://acrive.ubuntu.com/ubuntu noble.updates InRelease
Itt:7 http://acrive.ubuntu.com/ubuntu noble.backports InRelease
Itt:5 https://pap.al.unuchpadcontent.net/ansible/ubuntu noble InRelease
Itt:5 https://pap.al.unuchpadcontent.net/ansible/ubuntu noble InRelease
Reading package lists... Done
Building dependency Ittes... Done
Reading state information... Done
Building dependency Ittes... Done
Building depandency Ittes... Don
```

```
Building dependency tree... Done
Reading state information... Done
Reading state information... Done
Reading state information... Done
git is already the newest version (1:2.43.8-lubuntu7.3).
git set to manually installed.
9 upgraded, 8 newly installed, 9 to remove and 4 not upgraded.
sanjivani@sanjivani.WS-7E44:-5 git config --global user.name "Sanruddhibodakhe801"
git config --global user.enail 'sanruddhi. bodakhe24@sanjivani.edu.in"
sanjivani@sanjivani.WS-7E44:-5 git config --list
user.name-Sanruddhi.bodakhe801
user.name-Sanruddhibodakhe801
user.name-Sanruddhibodakh8
```