DevOps Practice Lab -1

1. Creating another user and provide sudo privileges to it.

```
honey@honey-Yoga-7-2-in-1-14IML9:~$ sudo adduser 1rv24mc043_Honey --allow-bad-na
mes
info: Allowing use of questionable username.
info: Adding user `1rv24mc043_Honey' ...
info: Selecting UID/GID from range 1000 to 59999 ...
info: Adding new group `1rv24mc043_Honey' (1001) ...
info: Adding new user `1rv24mc043_Honey' (1001) with group `1rv24mc043_Honey (10
01)' ...
info: Creating home directory `/home/1rv24mc043_Honey' ...
info: Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for 1rv24mc043_Honey
Enter the new value, or press ENTER for the default
        Full Name []: Honey
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y
info: Adding new user `1rv24mc043_Honey' to supplemental / extra groups `users'
...
info: Adding user `1rv24mc043_Honey' to group `users' ...
honey@honey-Yoga-7-2-in-1-14IML9:~$ sudo usermod -aG sudo 1rv24mc043_Honey
honey@honey-Yoga-7-2-in-1-14IML9:~$ su - 1rv24mc043_Honey
Password:
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

1rv24mc043_Honey@honey-Yoga-7-2-in-1-14IML9:~$ ls
```

2. Install Docker step by step

```
1rv24mc043_Honey@honey-Yoga-7-2-in-1-14IML9:~$ sudo apt-get install docker-ce do
cker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
  bridge-utils libgl1-amber-dri libglapi-mesa libllvm19 python3-cliapp
  python3-markdown python3-ttystatus python3-zombie-imp ubuntu-fan
sudo chmod a+r /etc/apt/keyrings/docker.asc

# Add the repository to Apt sources:
echo \
  "deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.asc
] https://download.docker.com/linux/ubuntu \
  $(. /etc/os-release && echo "${UBUNTU_CODENAME:-$VERSION_CODENAME}") stable" |
 \
  sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
sudo apt-get update
[sudo] password for 1rv24mc043_Honey:
```

```
1rv24mc043_Honey@honey-Yoga-7-2-in-1-14IML9:~$ sudo systemctl status docker
● docker.service - Docker Application Container Engine
     Loaded: loaded (/usr/lib/systemd/system/docker.service; enabled; preset: e>
     Active: active (running) since Fri 2025-10-17 15:20:14 IST; 3min 43s ago
TriggeredBy: ● docker.socket
       Docs: https://docs.docker.com
   Main PID: 35856 (dockerd)
      Tasks: 90
     Memory: 558.5M (peak: 564.4M)
        CPU: 8.523s
     CGroup: /system.slice/docker.service
```

```
1rv24mc043_Honey@honey-Yoga-7-2-in-1-14IML9:~$ sudo users
1rv24mc043_Honey honey
1rv24mc043_Honey@honey-Yoga-7-2-in-1-14IML9:~$ sudo docker run hello-world

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
 1. The Docker client contacted the Docker daemon.
 2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
    (amd64)
 3. The Docker daemon created a new container from that image which runs the
    executable that produces the output you are currently reading.
 4. The Docker daemon streamed that output to the Docker client, which sent it
    to your terminal.
```