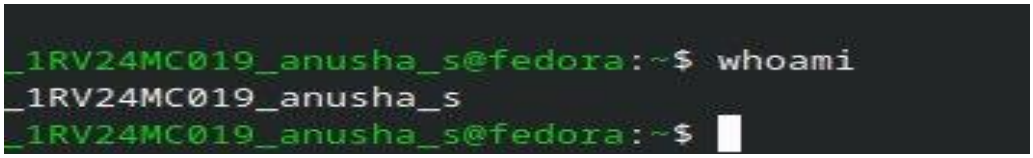
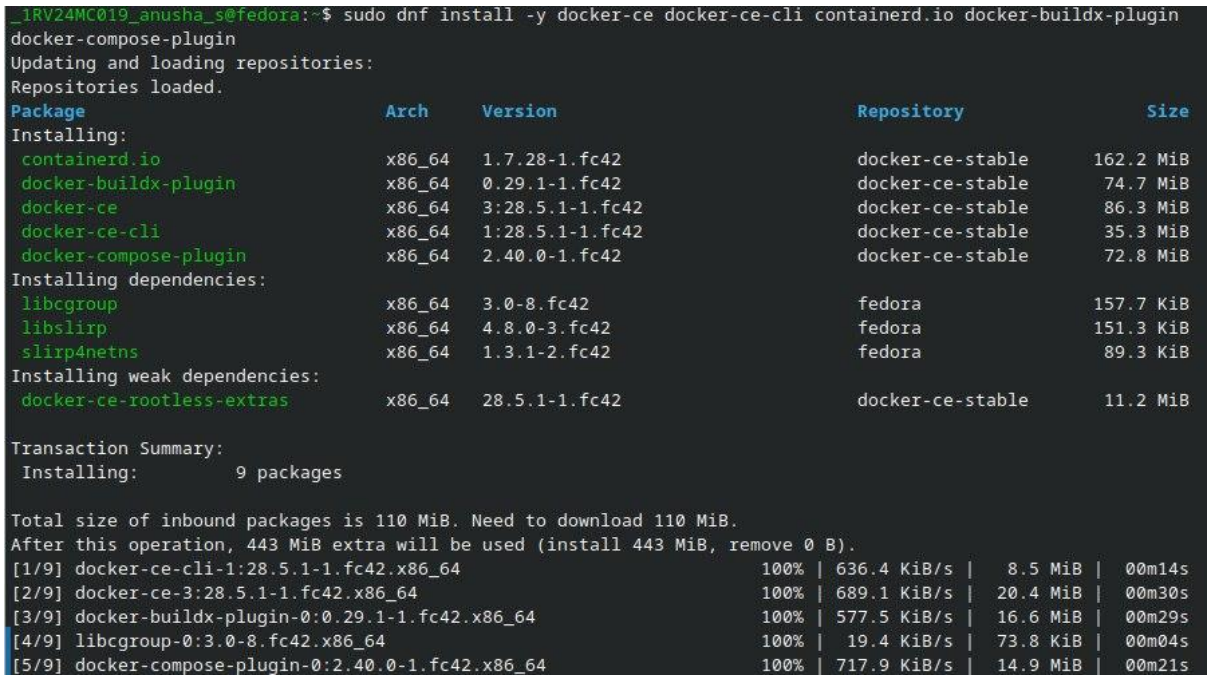
DevOps Practice Lab - 1

1. Creating new user



2. Install docker



3.Verifying docker

```
_1RV24MC019_anusha_s@fedora:~$ sudo dnf install -y docker-ce docker-ce-cli containerd.io docker-buildx-plugin
docker-compose-plugin
Updating and loading repositories:
Repositories loaded.
Package                         Arch     Version                          Repository                Size
Installing:
 containerd.io                  x86_64   1.7.28-1.fc42                    docker-ce-stable      162.2 MiB
 docker-buildx-plugin           x86_64   0.29.1-1.fc42                    docker-ce-stable       74.7 MiB
 docker-ce                      x86_64   3:28.5.1-1.fc42                  docker-ce-stable       86.3 MiB
 docker-ce-cli                  x86_64   1:28.5.1-1.fc42                  docker-ce-stable       35.3 MiB
 docker-compose-plugin          x86_64   2.40.0-1.fc42                    docker-ce-stable       72.8 MiB
Installing dependencies:
 libcgroup                      x86_64   3.0-8.fc42                       fedora                157.7 KiB
 libslirp                       x86_64   4.8.0-3.fc42                     fedora                151.3 KiB
 slirp4netns                    x86_64   1.3.1-2.fc42                     fedora                 89.3 KiB
Installing weak dependencies:
 docker-ce-rootless-extras      x86_64   28.5.1-1.fc42                    docker-ce-stable       11.2 MiB

Transaction Summary:
 Installing:         9 packages

Total size of inbound packages is 110 MiB. Need to download 110 MiB.
After this operation, 443 MiB extra will be used (install 443 MiB, remove 0 B).
[1/9] docker-ce-cli-1:28.5.1-1.fc42.x86_64                      100% | 636.4 KiB/s |   8.5 MiB |  00m14s
[2/9] docker-ce-3:28.5.1-1.fc42.x86_64                          100% | 689.1 KiB/s |  20.4 MiB |  00m30s
[3/9] docker-buildx-plugin-0:0.29.1-1.fc42.x86_64               100% | 577.5 KiB/s |  16.6 MiB |  00m29s
[4/9] libcgroup-0:3.0-8.fc42.x86_64                             100% |  19.4 KiB/s |  73.8 KiB |  00m04s
[5/9] docker-compose-plugin-0:2.40.0-1.fc42.x86_64              100% | 717.9 KiB/s |  14.9 MiB |  00m21s
```

4.Verify that the installation is successful by running the hello-world image

```
_1RV24MC019_anusha_s@fedora:~$ sudo systemctl start docker
_1RV24MC019_anusha_s@fedora:~$ sudo systemctl enable docker
Created symlink '/etc/systemd/system/multi-user.target.wants/docker.service' → '/usr/lib/systemd/system/docker
.service'.
_1RV24MC019_anusha_s@fedora:~$ sudo docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
17eec7bbc9d7: Pull complete
Digest: sha256:6dc565aa630927052111f823c303948cf83670a3903ffa3849f1488ab517f891
Status: Downloaded newer image for hello-world:latest

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.

To try something more ambitious, you can run an Ubuntu container with:
 $ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
 https://hub.docker.com/
```