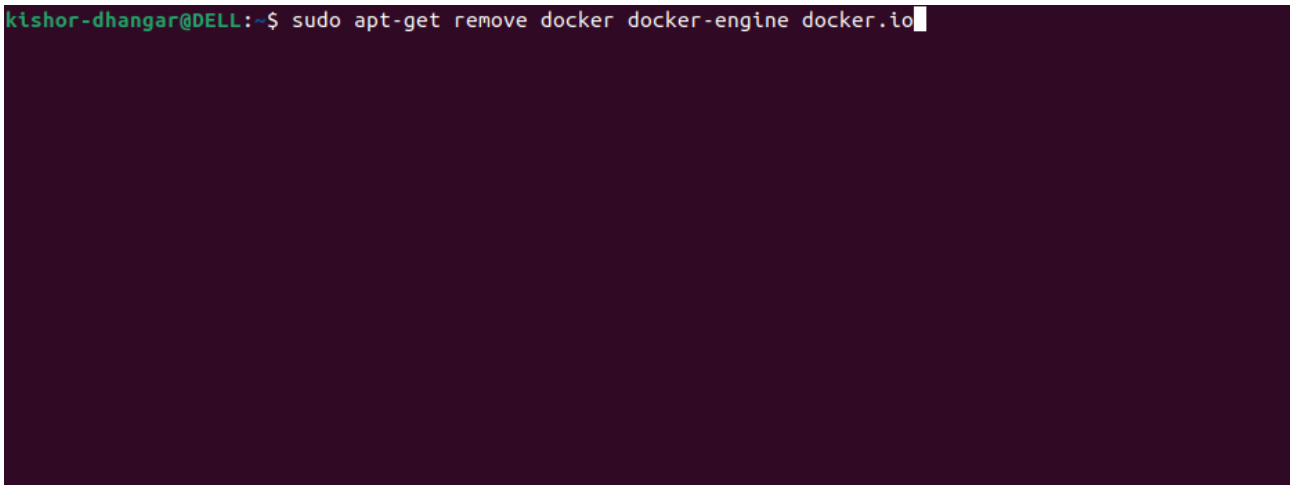
# Follow the Steps for Installing Docker On Ubuntu 22.04:

1. Open the terminal on Ubuntu. (**Ctrl + Alt + T**)


## 2. Remove any Docker files that are already running in the system, using the following command:

$ sudo apt-get remove docker docker-engine docker.io



## 3. Check if the system is up-to-date using the following command:

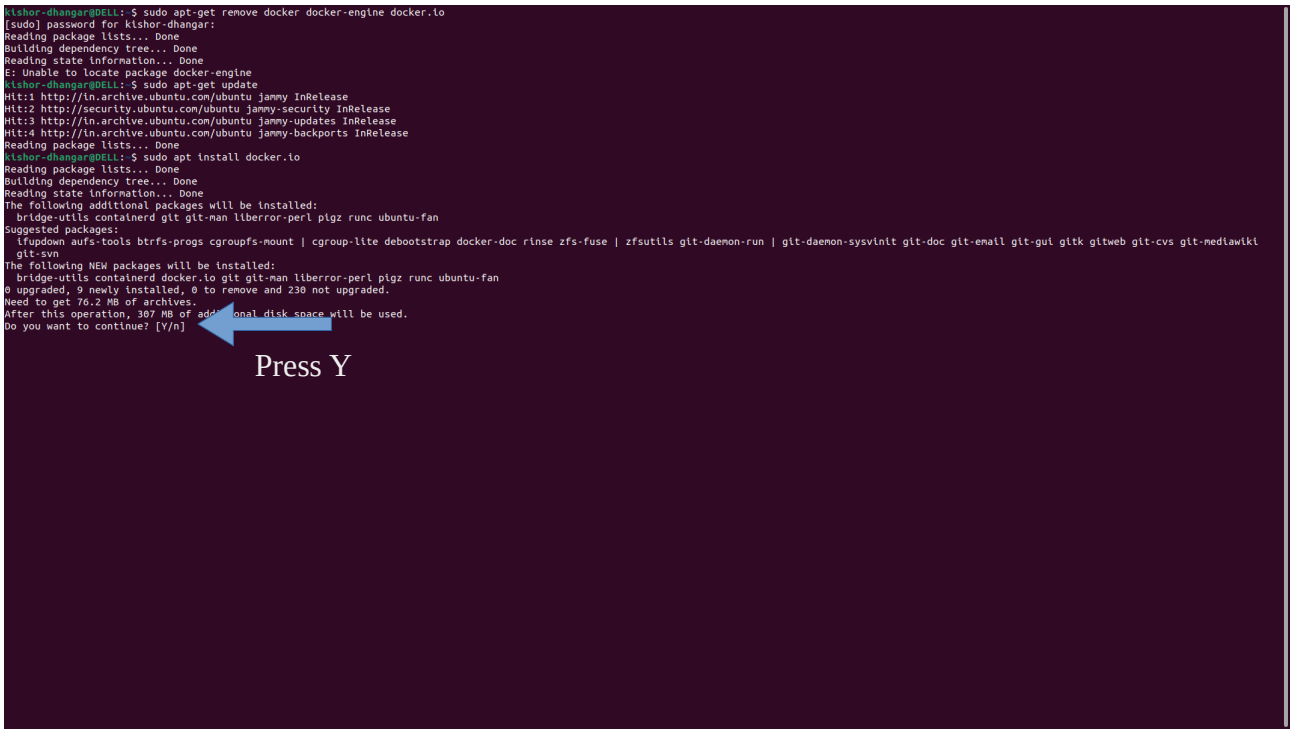
$ sudo apt-get update

```
kishor-dhangar@DELL:~$ sudo apt-get remove docker docker-engine docker.io
[sudo] password for kishor-dhangar:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
E: Unable to locate package docker-engine
kishor-dhangar@DELL:~$ sudo apt-get update
```

## 4. Install Docker using the following command:

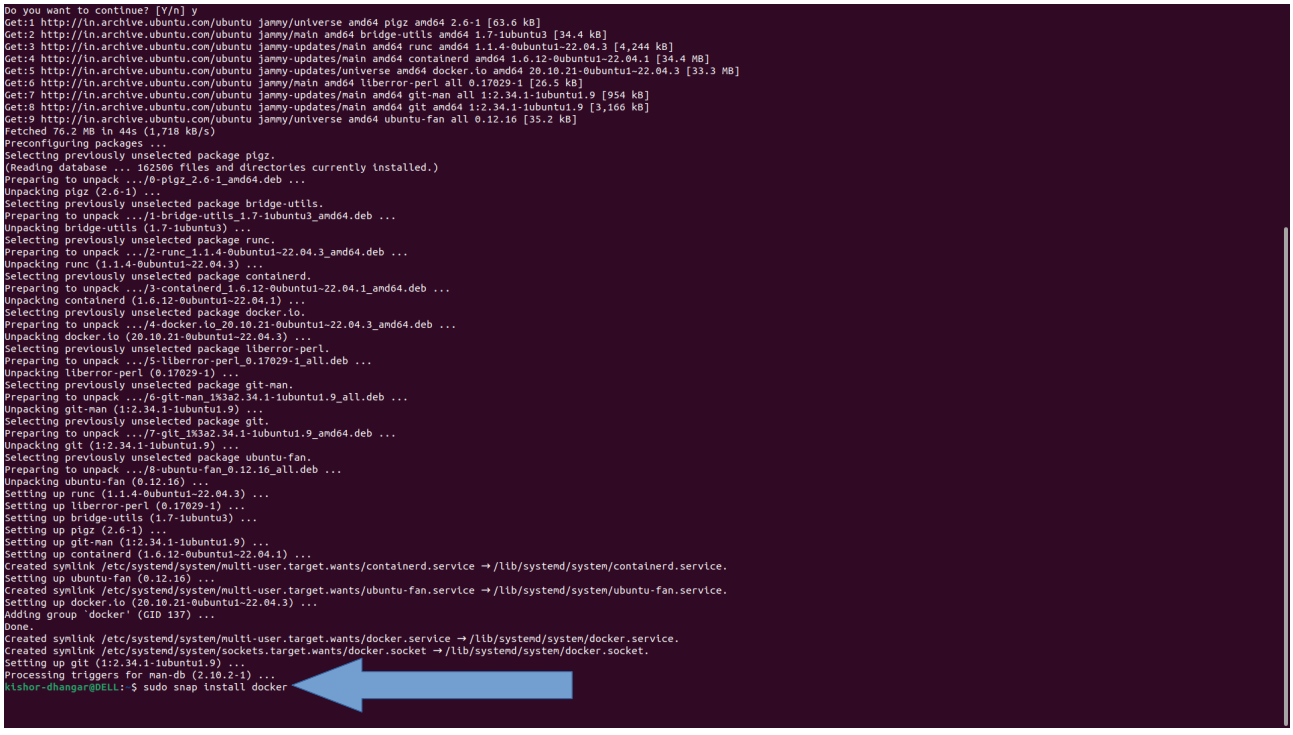
$ sudo apt install docker.io

```
kishor-dhangar@DELL:~$ sudo apt-get remove docker docker-engine docker.io
[sudo] password for kishor-dhangar:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
E: Unable to locate package docker-engine
kishor-dhangar@DELL:~$ sudo apt-get update
Hit:1 http://in.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://security.ubuntu.com/ubuntu jammy-security InRelease
Hit:3 http://in.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:4 http://in.archive.ubuntu.com/ubuntu jammy-backports InRelease
Reading package lists... Done
kishor-dhangar@DELL:~$ sudo apt install docker.io
```



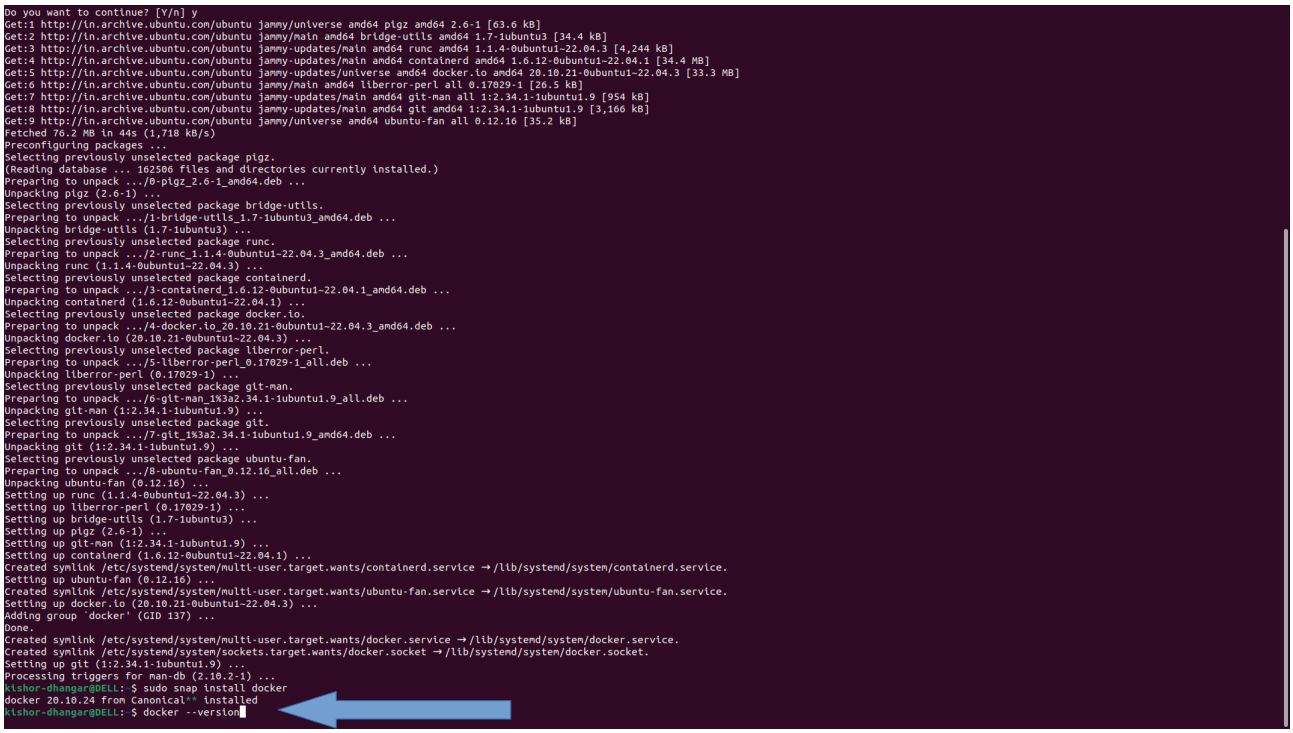

## 5. Install all the dependency packages using the following command:

$ sudo snap install docker

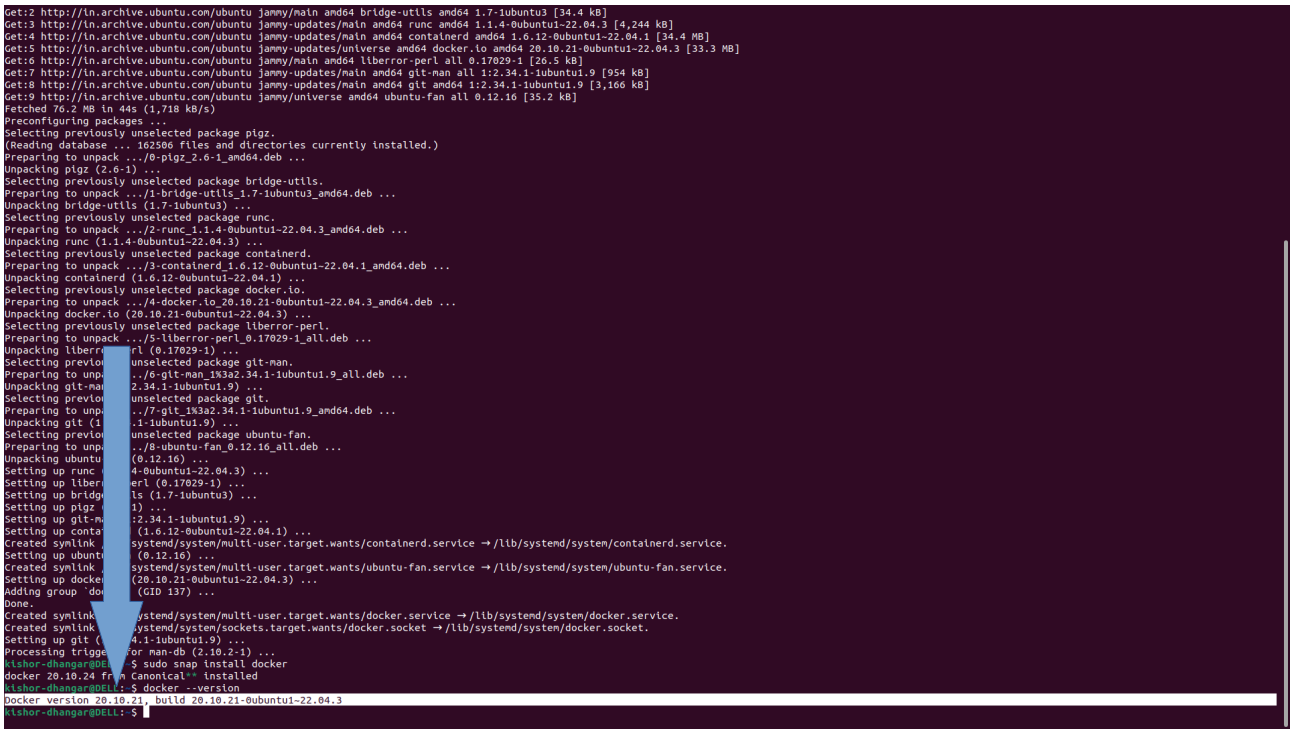


## 6. Before testing Docker, check the version installed using the following command:

$ docker --version

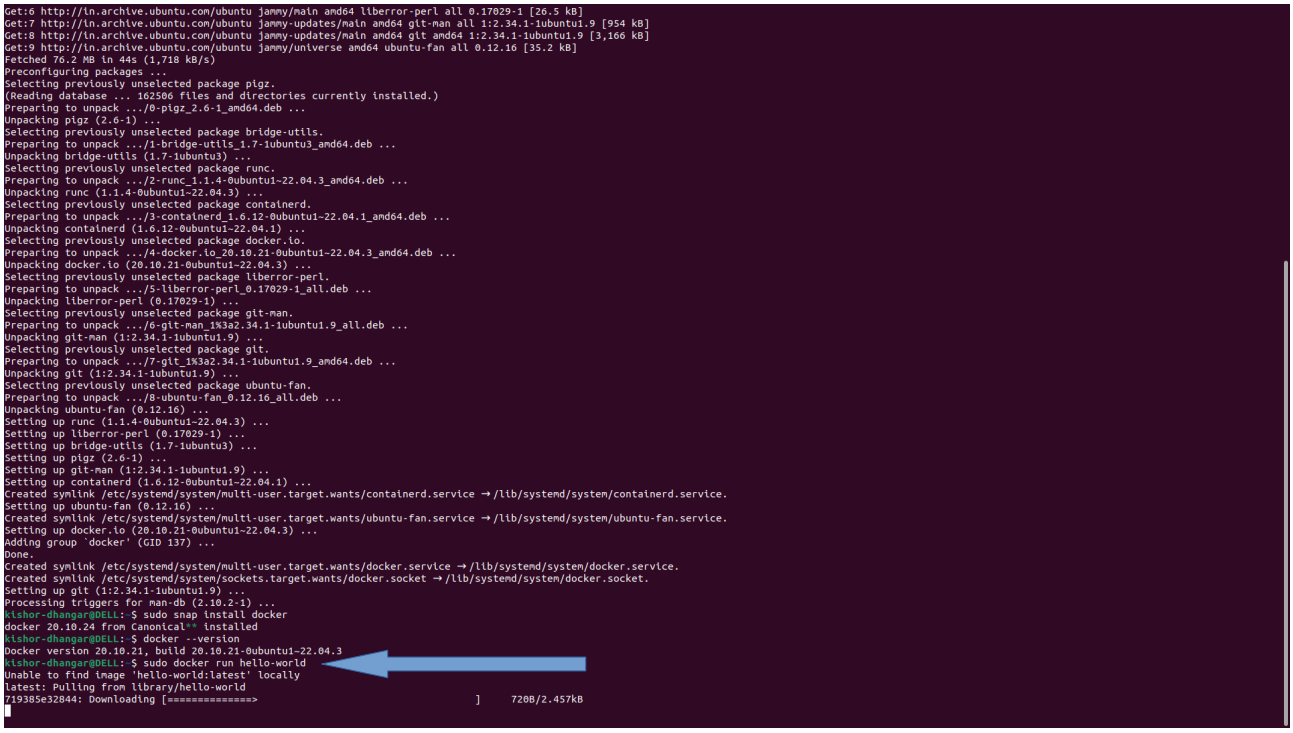



## You Can See Here Docker Version:



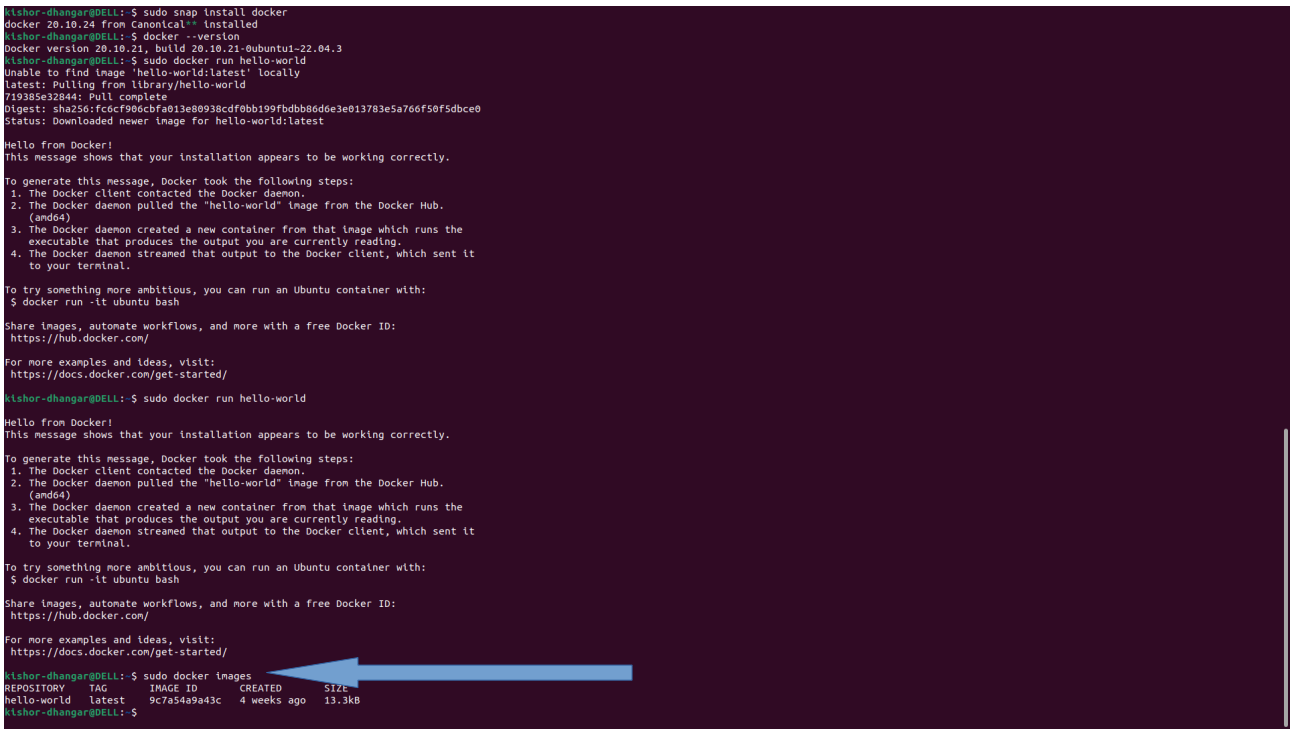

## 7. Pull an image from the Docker hub using the following command:

$ sudo docker run hello-world



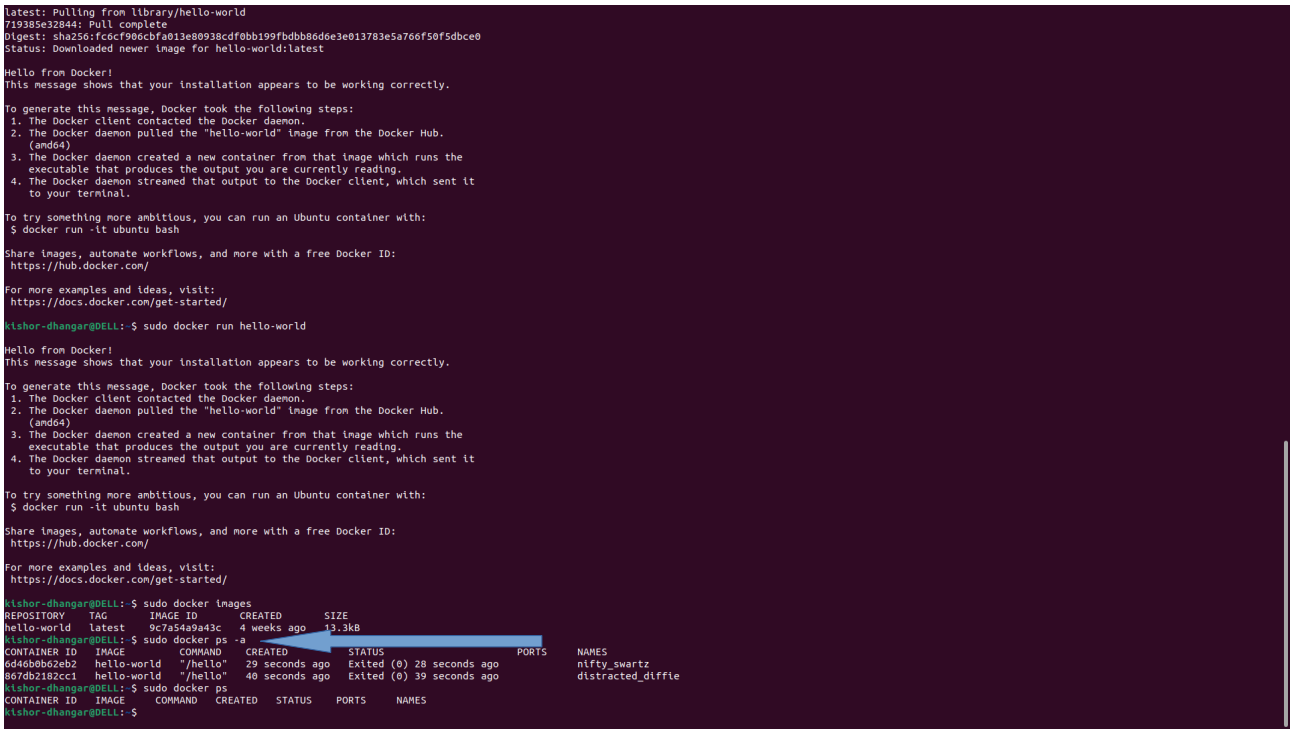

## 8. Check if the docker image has been pulled and is present in your system using the following command:

$ sudo docker images



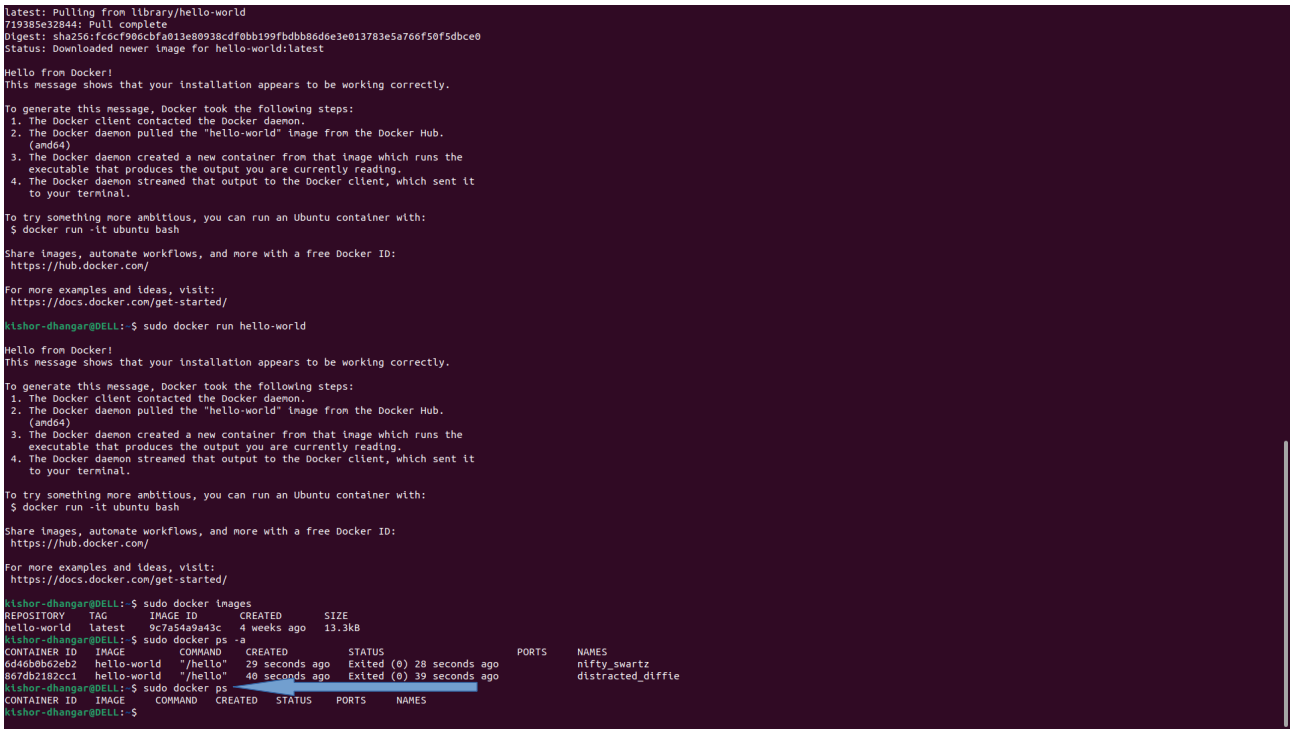

## 9. To display all the containers pulled, use the following command:

$ sudo docker ps -a




## 10. To check for containers in a running state, use the following command:

$ sudo docker ps


latest: Pulling from library/hello-world
719385e32844: Pull complete
Digest: sha256:fc6cf906cbfa013e80938cdf0bb199fbdbb86d6e3e013783e5a766f50f5dbce0
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/
For more examples and ideas, visit:
https://docs.docker.com/get-started/
kishor-dhangar@DELL:~$ 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.
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https://hub.docker.com/
For more examples and ideas, visit:
https://docs.docker.com/get-started/
kishor-dhangar@DELL:~$ sudo docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
hello-world latest 9c7a54a9a43c 4 weeks ago 13.3kB
kishor-dhangar@DELL:~$ sudo docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
6d46b6b62eb2 hello-world "/hello" 29 seconds ago Exited (0) 28 seconds ago nifty_swartz
867db2182cc1 hello-world "/hello" 40 seconds ago Exited (0) 39 seconds ago distracted_diffie
kishor-dhangar@DELL:~$ sudo docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
kishor-dhangar@DELL:~$