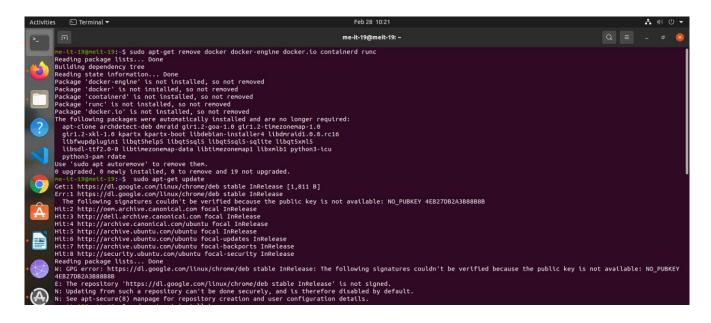
Roll No:. 33305 **Batch-** K-11

Title: Create Docker Container Environment (NVIDEIA Docker or any other).

Assignment No. 2-b

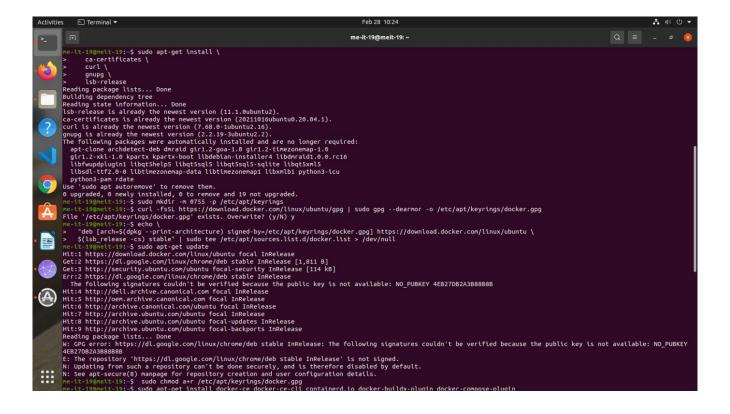
Commands:

sudo apt-get remove docker docker-engine docker.io containerd runc sudo apt-get update

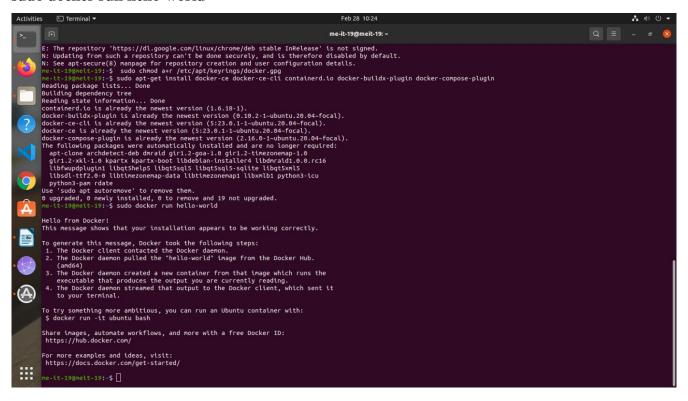


sudo apt-get install \

- > ca-certificates \
- > **curl** \
- > gnupg \
- > lsb-release

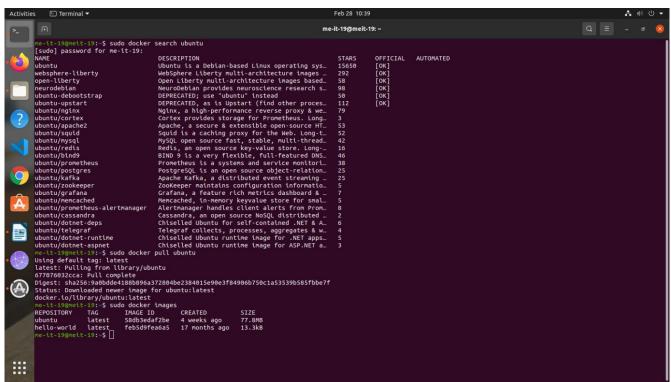


sudo docker run hello-world



sudo systemctl status docker

Working with Docker Images



Running a Docker Container

sudo docker run -it ubuntu root@68cb2e3a411d:/# apt update

```
Activities Perminal * Feb 28 1041

rost@scb2a34116:// apt update
Get: http://archive.ubuntu.com/ubuntu jamy.Infelease [270 kB]
Get: http://archive.ubuntu.com/ubuntu jamy.Infelease [270 kB]
Get: http://archive.ubuntu.com/ubuntu jamy.Infelease [180 k
```

root@68cb2e3a411d:/# apt install nodejs
root@68cb2e3a411d:/# node -v

Managing Docker Containers

```
t-19:~$ sudo docker ps
IMAGE COMMAND CREATED STATUS
CONTAINER ID IMAGE
                                                                              PORTS
                                                                                            NAMES
               eit-19:~$ sudo docker ps -a
                  IMAGE
ubuntu
CONTAINER ID
                                 COMMAND
                                                            CREATED
                                                                                     STATUS
                                                                                                                            PORTS
                                                                                                                                           NAMES
           id110 Induct Command
id411d ubuntu "/bin/bash"
idd5b hello-world "/hello"
ig100 hello-world "/hello"
igmeit-19:~$ sudo docker ps -l
                                                                                  Exited (0) 38 seconds ago
Exited (0) 41 minutes ago
Exited (0) 19 hours ago
68cb2e3a411d
                                                            6 minutes ago
                                                                                                                                           magical_einstein
8c4d9875dd5b
                                                            41 minutes ago
                                                                                                                                           gallant_williamson
f22dcd909100
                                                            19 hours ago
                                                                                                                                           bold_torvalds
CONTAINER ID IMAGE COMMAND CREATED STATUS
68cb2e3a411d ubuntu "/bin/bash" 6 minutes ago Exited (0) 54 seconds ago
                                                                                                                                   magical_einstein
                t-19:~$ sudo docker start 68cb2e3a411d
68cb2e3a411d
           @meit-19:~$ sudo docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS
68cb2e3a411d ubuntu "/bin/bash" 7 minutes ago Up 28 seconds
me-it-19@meit-19:~$ sudo docker stop magical_einstein
                                                                                                                  magical_einstein
magical_einstein
    it-19@meit-19:~$
```

Committing Changes in a Container to a Docker Image

docker commit -m "What you did to the image" -a "Author Name" container_id repository/new_image_name

```
me-it-19@meit-19:-$ sudo docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
68cb2e3a411d ubuntu "/bin/bash" 7 minutes ago Up 28 seconds magical_einstein
me-it-19@meit-19:-$ sudo docker stop magical_einstein
me-it-19@meit-19:-$ sudo docker commit -m "added Node.js" -a "sakshi" 68cb2e3a411d sakshi/ubuntu-nodejs
sha256:53bfeeebbb7970d614755a94f86b24a7227cf857977c711e11dadc1a70a63c0c
me-it-19@meit-19:-$ sudo docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
sakshi/ubuntu-nodejs latest 53bfeeebbb79 14 seconds ago 203MB
ubuntu latest 58db3edaf2be 4 weeks ago 77.8MB
hello-world latest feb5d9fea6a5 17 months ago 13.3kB
me-it-19@meit-19:-$
```