Name: Ashutosh Birajdar

**Roll No:.** 33306 **Batch-** K-11

#### Assignment No. 2-b

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#### **Commands:**

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

```
abstracting under the second s
```

sudo apt-get install \

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

```
L5s-gr0xxx:~/Desktop$ sudo apt-get install
              hutosh@ashutosh-H
ca-certificates \
      ca-certificates \
curl \
gnupg \
isb-release
teading package lists... Done
teading package lists... Done
teading package lists... Done
teading state infornation... Done
sb-release is infornation... Done
sb-release set to manually installed.
he following packages were automatically installed and are no longer required:
libfprint-2-todi libfrupdplugini libllwn10 shin
se 'sudo apt autorenove' to renove then.
he following additional packages will be installed:
dirnngr gnupp-ll0n gnupp-utlis gpg gpg-agent gpg-wks-client gpg-wks-server gpgconf gpgsm gpgy libcurl4
uggested packages:
tor parcimonie xloadinage scdaenon
the following NEW packages will be installed:
curl
Juggested packages of the packages will be installed:
curl
The following NEW packages will be installed:
curl
The following NEW packages will be upgraded:
ca-certificates dirang; gnupg gnupg-lion gnupg-utils gpg gpg-agent gpg-wks-client gpg-wks-server gpgconf gpgsm gpgv libcurl4
13 upgraded, 1 newly Installed, 8 to remove and 276 not upgraded.
Need to get 3,899 NB of archives.
After this operation, 400 NB of additional disk space will be used.
Do you want to continue:
Do you want to continue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Q = _ # 8
           ppg: no valid OpenPCP data found.

saturoshbashutosh-bit-laptop-iss-grixxxx-/Decktop$ curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /etc/apt/keyrings/docker.gpg

'tle '/etc/apt/keyrings/docker.gpg oxtst. Overwrite? (y/N) y

'deb [archs-diphgs-intra-nchitecture] signed-by-fetc/apt/keyrings/docker.gpg https://download.docker.com/linux/ubuntu \
'5(1sb_release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null

pkg: error: unknown option --[print-architecture]
   Type dpkg --help for help about installing and deinstalling packages [*];
Use 'apt' or 'aptitude' for user-friendly package management;
Type dpkg -Dhelp for a list of dpkg debug flag values;
Type dpkg-force-help for a list of forcing options;
Type dpkg-deb --help for help about manipulating *.deb files;
 Options marked [*] produce a lot of output - pipe it through 'less' or 'more' !
substandas/markeds.PPLapppeiss.grows::/Desktops ceho 'deb [archeS(dpkg -:print-architecture) signed-by=/etc/apt/keyrings/docker.gpg] https://download.docker.com/linux/ubuntu \
S(lsb. release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
substandas/markeds.PPLappoiss.grows:-/Desktops sudo apt-get update
Get:1 https://download.docker.com/linux/ubuntu focal InRelease [57.7 kB]
Htt:2 http://security.ubuntu.com/ubuntu focal-security InRelease
Htt:3 https://do.gogle.com/linux/chrome/deb stable InRelease
Htt:4 http://in.archive.ubuntu.com/ubuntu focal-security InRelease
Htt:4 http://in.archive.ubuntu.com/ubuntu focal InRelease
Htt:5 https://download.docker.com/linux/ubuntu focal-security
Htt:6 http://in.archive.ubuntu.com/ubuntu focal-security
Htt:6 http://in.archive.ubuntu.com/ubuntu focal-backports InRelease
Htt:7 http://in.archive.ubuntu.com/ubuntu focal-backports InRelease
Fetched 82.4 kB in 1s (59.9 kB/s)
Reading package lists... Done
substandas/markeds.PPLappoiss.grows:-/Besktop$ sudo chmod sar /etc/ant/keyrings.docker.gng
        tl: nttp://di.aicnet.com/
earting package llsts... Done
techned 82.4 % bin is ($59.9 ke/s)
earting package llsts... Done
phot: cannot access '/etc/apt/keyrings docker.gpg': No such file or directory
photosicashutosh.BP-lapton=55=g70xxs:-/Desktop$ sudo chnod arr /etc/apt/keyrings/docker.gpg
shutosidashutosh.BP-lapton=55=g70xxs:-/Desktop$ sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin
eading package llsts... Done
ultding dependency free
eading state information... Done
he following packages were automatically installed and are no longer required:
llbfprint-2-tods llbfwupdplugins llbllvni0 shin
se 'sudo apt autoremove' to remove then.
he following additional packages will be installed:
docker-ce-rootless-extras docker-scan-plugin plgz slirp4netns
uggested packages:
         docker-ce-rootless-extras docker-scan-plugin pigz slirp4meths 
pagested packages: 
aufs-tools egroupfs-mount | egroup-lite 
he following NEN packages will be installed: 
containerd.to docker-builds-plugin docker-ce docker-ce-cli docker-ce-rootless-extras 
docker-compose-plugin docker-scan-plugin pigz slirp4meths 
upgraded, 9 newly installed, 0 to remove and 276 not upgraded. 
eed to get 112 MB of archives. 
fter this operation, 401 MB of additional disk space will be used.
```

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

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

### **Managing Docker Containers**

## 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





