

Assignment 2B

Output :

1. Hello world container

```
varadmash@varadmash-G3-3590:~$ sudo docker --version
Docker version 20.10.14, build a224866
varadmash@varadmash-G3-3590:~$ sudo docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
varadmash@varadmash-G3-3590:~$ sudo docker pull hello-world
Using default tag: latest
latest: Pulling from library/hello-world
24db29710123e: Pull complete
Digest: sha256:bfe0278aba267fad2634554f4fec6f33981eea41c553fdf5a83e95a41d40c38
Status: Downloaded newer image for hello-world:latest
docker.io/library/hello-world:latest
varadmash@varadmash-G3-3590:~$ sudo docker ps -a
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
varadmash@varadmash-G3-3590:~$ 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.

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/
varadmash@varadmash-G3-3590:~$
```

2. Running custom docker image

```
varadmash@varadmash-G3-3590:~/WAD_lab/assignment_2B$ sudo docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
mysql         latest    d16724d45aa4   22 seconds ago  107MB
ubuntu        latest    ffe0ea8310f3   12 days ago    72.8MB
varadmash@varadmash-G3-3590:~/WAD_lab/assignment_2B$ sudo docker image ls
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
mysql         latest    d16724d45aa4   57 seconds ago  107MB
ubuntu        latest    ffe0ea8310f3   12 days ago    72.8MB
varadmash@varadmash-G3-3590:~/WAD_lab/assignment_2B$ sudo docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
varadmash@varadmash-G3-3590:~/WAD_lab/assignment_2B$ sudo docker ps -a
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
varadmash@varadmash-G3-3590:~/WAD_lab/assignment_2B$ sudo docker run d16724d45aa4
Hello World
varadmash@varadmash-G3-3590:~/WAD_lab/assignment_2B$
```

```
Activities Terminal Mar 31 01:19
varadmash@varadmash-G3-3590: ~/WAD_lab/assignment_28$ sudo docker image ls
REPOSITORY TAG IMAGE ID CREATED SIZE
ubuntu latest f4f6ea8310f3 12 days ago 72.9MB
varadmash@varadmash-G3-3590: ~/WAD_lab/assignment_28$ cat Dockerfile
# Getting base image
FROM ubuntu
MAINTAINER varad mash <varadmash2201@gmail.com>
RUN apt-get update
CMD ["echo", "Hello World"]
varadmash@varadmash-G3-3590: ~/WAD_lab/assignment_28$ sudo docker build -t myImage .
Sending build context to Docker daemon 868.4kB
Step 1/4 : FROM ubuntu
--> f4f6ea8310f3
Step 2/4 : MAINTAINER varad mash <varadmash2201@gmail.com>
--> Running in d73685dce496
Removing intermediate container d73685dce496
--> 29edcc009f3
Step 3/4 : RUN apt-get update
--> Running in 221f12eb7923
Get:1 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:2 http://archive.ubuntu.com/ubuntu focal InRelease [265 kB]
Get:3 http://security.ubuntu.com/ubuntu focal-security/main amd64 Packages [1708 kB]
Get:4 http://archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:5 http://archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
Get:6 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [25.8 kB]
Get:7 http://security.ubuntu.com/ubuntu focal-security/universe amd64 Packages [863 kB]
Get:8 http://archive.ubuntu.com/ubuntu focal/multiverse amd64 Packages [177 kB]
Get:9 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 Packages [1086 kB]
Get:10 http://archive.ubuntu.com/ubuntu focal/restricted amd64 Packages [33.4 kB]
Get:11 http://archive.ubuntu.com/ubuntu focal/main amd64 Packages [1125 kB]
Get:12 http://archive.ubuntu.com/ubuntu focal/universe amd64 Packages [11.3 MB]
Get:13 http://archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [1149 kB]
Get:14 http://archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 Packages [30.3 kB]
Get:15 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [2122 kB]
Get:16 http://archive.ubuntu.com/ubuntu focal-updates/restricted amd64 Packages [1159 kB]
Get:17 http://archive.ubuntu.com/ubuntu focal-backports/main amd64 Packages [51.2 kB]
Get:18 http://archive.ubuntu.com/ubuntu focal-backports/universe amd64 Packages [26.0 kB]
Fetched 21.7 MB in 27s (794 kB/s)
Reading package lists...
Removing intermediate container 221f12eb7923
--> 4a9621732b18
Step 4/4 : CMD ["echo", "Hello World"]
--> Running in c03525e63d15
Removing intermediate container c03525e63d15
--> d16724d45aa4
Successfully built d16724d45aa4
Successfully tagged myImage:latest
varadmash@varadmash-G3-3590: ~/WAD_lab/assignment_28$
```