NAME: DIVYA SANJEEVARADDI JALIKOPPA

USN: 2KE20EC028

DOCKER ASSAIGNMENT

ASSAIGNMENT 1:

Install yum utils package

[DivyaJ@localhost ~]\$ sudo yum install -y yum-utils

Install the latest version of docker

```
[DivyaJ@localhost ~]$ sudo yum-config-manager --add-repo https://download.do cker.com/linux/centos/docker-ce.repo
Loaded plugins: fastestmirror
```

```
Installed:
  containerd.io.x86_64 0:1.6.22-3.1.el7
  docker-buildx-plugin.x86_64 0:0.11.2-1.el7
  docker-ce.x86_64 3:24.0.6-1.el7
  docker-ce-cli.x86_64 1:24.0.6-1.el7
  docker-compose-plugin.x86_64 0:2.21.0-1.el7
Dependency Installed:
  audit-libs-python.x86_64 0:2.8.5-4.el7
  checkpolicy.x86_64 0:2.5-8.el7
  container-selinux.noarch 2:2.119.2-1.911c772.el7_8
  docker-ce-rootless-extras.x86_64 0:24.0.6-1.el7
 fuse-overlayfs.x86_64 0:0.7.2-6.el7_8
 fuse3-libs.x86_64 0:3.6.1-4.el7
 libcgroup.x86_64 0:0.41-21.el7
 libsemanage-python.x86_64 0:2.5-14.el7
  policycoreutils-python.x86_64 0:2.5-34.el7
  python-IPy.noarch 0:0.75-6.el7
  setools-libs.x86_64 0:3.3.8-4.el7
  slirp4netns.x86_64 0:0.4.3-4.el7_8
```

Complete!

Start docker

Run helloworld

```
[DivyaJ@localhost ~]$ sudo systemctl start docker
[DivyaJ@localhost ~]$ sudo docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
719385e32844: Pull complete
Digest: sha256:dcba6daec718f547568c562956fa47e1b03673dd010fe6ee58ca806767031
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
```

List and sort versions

```
[DivyaJ@localhost ~]$ sudo yum list docker-ce--showduplicates | sort -r
```

Enter the following content in Dockerfile

```
Command Prompt - ssh Divy: X + V

FROM centos:7

RUN yum -y install epel-release
RUN yum -y update
RUN yum -y install nginx

ADD index.html /usr/share/nginx/html/index.html

CMD ["nginx", "-g", "daemon off;"]
```

Enter below content in index.html file

```
×
  Command Prompt - ssh Divy: X
<!DOCTYPE html>
     ad>
<title>Divya S Jalikoppa - Resume</title>
     y>
<h1>About Me</h1>
           <strong>Name:</strong>Divya S Jalikoppa<br/><strong>Student</strong>dr>
<strong>Student</strong>dr>
<strong>Contact:</strong> Phone no.: 81230308400-br>
Email: <a href="mailto:divyajalikoppa@gmail.com">divyajalikoppa@gmail.com</a>>br>
<strong>Address:</strong> Near court, Ramapur, Saundatti-591126, Dist: Belagavi, Karnataka
     <h1>Education</h1>
           <strong=Bachelor of Engineering and Technology</strong><br/>D221-76234-br><br/>ULE Institute of Technology, Hubballi-br><br/><em>ComPacitive Form of Technology and Communication Engineering<br/><em>CGPA:</em> 8.3
           <strong>Pre-University College</strong><br/>br> 2018-2020<br/>cbr> KLE's Prerana PU College, Hubballi<br/><em>Course:<em>Percentage:<em>Percentage:<em>Percentage:
           <strong>Shri Kumareshwar School, Saundatti</strong><br><em>Percentage:</em> 90.88%
    As a tech enthusiast with a solid foundation in electronics as well as proficiency in computers. I combine a passion for exploring cutting-edge technologies with a proactive a cach and problem-solving mindset, driving impactful outcomes in diverse technical domains.
     <h1>Projects</h1>

           <strong>Project 1: Solar Tracker System/strong>dro
Conducted interactive solar tracker system demos built using Arduino, illustrating its autonomous sun-tracking capabilities and superior energy yield.
          <h1>Certificates</h1>

  <!i>Internship at Verzeo based on VLSI
  Internship at Verzeo based on VLSI

     <h1>Skills</h1>

VLSI
LINUX OS
Cli>LOUD Computing
Basics of Python
Basics of C

     <h1>Languages</h1>

Li>English
Kannada
Hindi
```

Build the image

Verify the docker image is created

[DivyaJ@localhost DOCKER_ASSAIGNMENT]\$ sudo docker images					
REPOSITORY	TAG	IMAGE ID	CREATED	SIZE	
docker_a1	latest	f0c8eaffa54c	About an hour ago	1.04GB	
<none></none>	<none></none>	ccd2ffe35400	About an hour ago	1.04GB	
cronjob_html	latest	dce385e38352	30 hours ago	1.04GB	
indexx	latest	e0fdd9c67a14	30 hours ago	1.04GB	
hello-world	latest	9c7a54a9a43c	4 months ago	13.3kB	
[DivyaJ@localhost DOCKER_ASSAIGNMENT]\$					

Run the docker image

Start the container

```
[DivyaJ@localhost DOCKER_ASSAIGNMENT]$ sudo docker run -d -p 80:80 --name container_docker_a1 docker_a1 e57a080c9a77ca142dae01caac237698212387ec1e467064f5d6a58e449d2fd8 [DivyaJ@localhost DOCKER_ASSAIGNMENT]$ sudo docker start container_docker_a1 container_docker_a1
```

View status

Using curl you can get the content to display contents of nginx

ASSAIGNMENT 2

Make directory and Dockerfile in the directory

```
[DivyaJ@localhost ~]$ mkdir DOCKER_ASSAIGNMENT2
[DivyaJ@localhost ~]$ cd DOCKER_ASSAIGNMENT2
[DivyaJ@localhost DOCKER_ASSAIGNMENT2]$ sudo vi Dockerfile
[sudo] password for DivyaJ:
[DivyaJ@localhost DOCKER_ASSAIGNMENT2]$ |
```

Enter the below content inside Dockerfile

```
X
 Command Prompt - ssh Divy: X
FROM centos:7
# Download and extract Mattermost
RUN curl -L https://releases.mattermost.com/6.6.1/mattermost-6.6.1-linux-amd
64.tar.gz | tar -xz -C /opt
# Copy the config file
COPY config.json /opt/mattermost/config/config.json
# Create a system user for Mattermost
RUN useradd --system --user-group mattermost
# Set permissions
RUN chown -R mattermost:mattermost /opt/mattermost
RUN chmod -R g+w /opt/mattermost
# Switch to the Mattermost user
USER mattermost
# Define the volume
VOLUME /opt/mattermost/data
# Set the command to start Mattermost
CMD ["/opt/mattermost/bin/mattermost"]
```

Copy contents from config.json to new directory of doocker

[DivyaJ@localhost ~]\$ sudo cp /opt/mattermost/config/config.json DOCKER_ASSAIGNMENT2/config.json

Build mattermost image

Verify the image created

[DivyaJ@localhost DOCKER_ASSAIGNMENT2]\$ sudo docker images						
[sudo] password for DivyaJ:						
REPOSITORY	TAG	IMAGE ID	CREATED	SIZE		
mm-image	latest	251eaa5efb88	About a minute ago	1.62GB		
docker_a1	latest	f0c8eaffa54c	18 hours ago	1.04GB		
<none></none>	<none></none>	ccd2ffe35400	18 hours ago	1.04GB		
cronjob_html	latest	dce385e38352	47 hours ago	1.04GB		
indexx	latest	e0fdd9c67a14	47 hours ago	1.04GB		
hello-world	latest	9c7a54a9a43c	4 months ago	13.3kB		

Run the docker image

```
[DivyaJ@localhost DOCKER_ASSAIGNMENT2]$ sudo systemctl stop mattermost
[DivyaJ@localhost DOCKER_ASSAIGNMENT2]$ sudo docker run -d -p 8065:8065 --name mattermost-container mm-image
3d6d4804ffddaabccef0540ce7bd4e459a4f4b7a23f8759d8d9fb4069825eec4
```

List all the containers

F						
[DivyaJ@localhost DOCKER_ASSAIGNMENT2]\$ sudo docker ps -a						
CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAM
ES						
3d6d4804ffdd	mm-image	"/opt/mattermost/bin"	18 seconds ago	Up 14 seconds	0.0.0.0:8065->8065/tcp, :::8065->8065/tcp	mat
termost-contai	iner					
e57a080c9a77	docker_a1	"nginx -g 'daemon of"	17 hours ago	Exited (255) 2 hours ago	0.0.0.0:80->80/tcp, :::80->80/tcp	con
tainer_docker_al						
150ea4c66b94	indexx	"nginx -g 'daemon of"	45 hours ago	Exited (1) 45 hours ago		new
_index_cont						
64b0f7eaebcd	cronjob_html	"nginx -g\u00a0daemon\u00a0off;"	46 hours ago	Exited (1) 45 hours ago		con
t_d						
521c027992b3	hello-world	"/hello"	47 hours ago	Exited (0) 47 hours ago		awe
some wilson			_			

Start the container

[DivyaJ@localhost DOCKER_ASSAIGNMENT2]\$ sudo docker start mattermost-container mattermost-container

Check docker ip

```
5: docker0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue state UP group default
     link/ether 02:42:c9:bc:72:31 brd ff:ff:ff:ff:ff
inet 172.17.0.1/16 brd 172.17.255.255 scope global docker0
     valid_lft forever preferred_lft forever inet6 fe80::42:c9ff:febc:7231/64 scope link
         valid_lft forever preferred_lft forever
```

Using curl check the content

[DivyaJ@localhost DOCKER_ASSAIGNMENT2]\$ curl http://172.17.0.1:8065

k:doctype html><html lang="en"><head><meta charset="utf-6"><meta name="robots" content="noindex, nofollom"><meta name="referrer" content="no-referrer"><ti>"><meta name="robots" content="mate/noindex, nofollom"><meta name="referrer"><meta name="referrer"><meta name="mobite=meb-app-capable" content="mate/noindex, nofollom"><meta name="mobite=meb-app-capable" content="lelephone=no"><meta name="mobite=meb-app-capable" content="lelephone=no"><meta name="mobite=meb-app-capable" content="lelephone=no"><meta name="mobite=meb-app-capable" content="lelephone=no"><meta name="mobite=meb-app-capable" content="lelephone=no"><meta name="mobite=meb-app-capable" content="lelephone=no"><meta name="mobite=meb-app-capable" content=noint=no

```
bash-4.2$ pwd
bash-4.2$ exit
exit
```

ASSAIGNMENT 3

Create docker file and init.sql

```
[DivyaJ@localhost ~]$ cd DOCKER_ASSAIGNMENT3
[DivyaJ@localhost DOCKER_ASSAIGNMENT3]$ ls
Dockerfile init.sql
```

In Dockerfile enter the content

```
[DivyaJ@localhost DOCKER_ASSAIGNMENT3]$ sudo vi Dockerfile [sudo] password for DivyaJ:
```

In init.sql enter the given content

```
[DivyaJ@localhost DOCKER_ASSAIGNMENT3]$ sudo vi init.sql
```

Build image

```
[DivyaJ@localhost DOCKER_ASSAIGNMENT3]$ sudo docker build -t mysql-image .

[+] Building 2.3s (7/7) FINISHED docker:default

=> [internal] load build definition from Dockerfile 0.1s

=> => transferring dockerfile: 172B 0.0s

=> [internal] load .dockerignore 0.1s

=> => transferring context: 2B 0.0s

=> [internal] load metadata for docker.io/mysql/mysql-server:latest 1.9s

=> [internal] load build context 0.0s

=> => transferring context: 241B 0.0s

=> CACHED [1/2] FROM docker.io/mysql/mysql-server:latest@sha256:d6c8 0.0s

=> [2/2] COPY init.sql /docker-entrypoint-initdb.d/ 0.1s

=> exporting to image 0.1s

=> => exporting layers 0.1s

=> => writing image sha256:a74376ad5fb95f28cf7750ef76689232e1864361d 0.0s

=> => naming to docker.io/library/mysql-image 0.0s
```

Verify the image is built

```
[DivyaJ@localhost DOCKER_ASSAIGNMENT3]$ sudo docker images
REPOSITORY
               TAG
                         IMAGE ID
                                        CREATED
                                                              SIZE
                                         About a minute ago
mysql-image
               latest
                         a74376ad5fb9
                                                              496MB
                         44723be59bcd
<none>
               <none>
                                         5 days ago
                                                              496MB
                         251eaa5efb88
mm-image
               latest
                                        5 days ago
                                                              1.62GB
docker_a1
                         f0c8eaffa54c
                                        6 days ago
                                                              1.04GB
               latest
                         ccd2ffe35400
<none>
               <none>
                                        6 days ago
                                                              1.04GB
                         dce385e38352
                                        7 days ago
                                                              1.04GB
cronjob_html
               latest
indexx
               latest
                         e0fdd9c67a14
                                        7 days ago
                                                              1.04GB
hello-world
                         9c7a54a9a43c
                                        4 months ago
                                                              13.3kB
               latest
```

Run the image to make container up

```
[DivyaJ@localhost DOCKER_ASSAIGNMENT3]$ sudo docker run --name=cont-mysql -p 3306:3306 --restart on-failure -d mysql-image [DivyaJ@localhost DOCKER_ASSAIGNMENT3]$ docker logs cont-mysql 2>&1 | grep G ENERATED
```

Perform docker exec it

```
[DivyaJ@localhost DOCKER_ASSAIGNMENT3]$ sudo docker exec -it mysql-cont mysql -uroot -p Enter password:

Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 10
Server version: 8.0.32 MySQL Community Server - GPL

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
```

Change the root password

```
mysql> ALTER USER 'root'@'localhost' IDENTIFIED BY '2002happy';
Query OK, 0 rows affected (0.35 sec)
mysql> exit
Bye
```

```
[DivyaJ@localhost ~]$ sudo chown -R $(whoami) /opt/mattermost [DivyaJ@localhost ~]$ cd /opt/mattermost/bin [DivyaJ@localhost bin]$ chmod +x mattermost [DivyaJ@localhost bin]$ ./mattermost [DivyaJ@localhost bin]$ ./mattermost [Timestamp":"2023-09-20 05:55:28.762 Z","level":"info","msg":"Server is initializing..."," caller":"app/server.go:259","go_version":"gol.16.7"} {"timestamp":"2023-09-20 05:55:30.262 Z","level":"info","msg":"Pinging SQL","caller":"sqlst ore/store.go:218","database":"master"] {"timestamp":"2023-09-20 05:55:32.108 Z","level":"error","msg":"Failed to ping DB","caller":"sqlstore/store.go:228","error":"Error 1045: Access denied for user 'mmuser'@'172.17.0.1' (using password: YES)", "retrying in seconds":10} {"timestamp":"2023-09-20 05:55:42.831 Z","level":"error","msg":"Pinging SQL","caller":"sqlst ore/store.go:218","database":"master"} {"timestamp":"2023-09-20 05:55:46.120 Z","level":"error","msg":"Failed to ping DB","caller":"sqlstore/store.go:228","error":"Error 1045: Access denied for user 'mmuser'@'172.17.0.1' (using password: YES)", "retrying in seconds":10} {"timestamp":"2023-09-20 05:55:56.570 Z","level":"info","msg":"Pinging SQL","caller":"sqlst ore/store.go:218","database":"master"} {"timestamp":"2023-09-20 05:55:56.570 Z","level":"info","msg":"Pinging SQL","caller":"sqlst ore/store.go:218","database":"master"} {"timestamp":"2023-09-20 05:55:56.570 Z","level":"info","msg":"Pinging SQL","caller":"sqlst ore/store.go:218","database":"master"} {"timestamp":"2023-09-20 05:55:55.57.712 Z","level":"error","msg":"Failed to ping DB","caller":"sqlstore/store.go:228","error":"Error 1045: Access denied for user 'mmuser'@'172.17.0.1'
```

Grant all previlages on mattermost

```
[DivyaJ@localhost ~]$ sudo docker exec —it mysql—cont mysql—uroot —p
Enter password:
Welcome to the MySQL monitor. Commands end with; or \g.
Your MySQL connection id is 85
Server version: 8.0.32 MySQL Community Server — GPL

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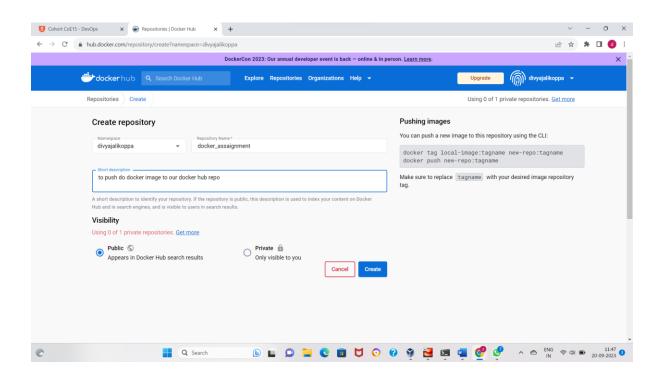
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> GRANT ALL PRIVILEGES ON mattermost.* TO 'mmuser'@'%';
ERROR 1410 (42000): You are not allowed to create a user with GRANT mysql> GRANT ALL PRIVILEGES ON mattermost.* TO 'mmuser_d'@'%';
Query OK, 0 rows affected (0.26 sec)
```

Assaignment 4

PUSH IMAGE TO DOCKER HUB REPOSITORY

Sign up dockerhub and create new repository



Use docker commit to ctreate a new image from running container

[DivyaJ@localhost ~]\$ sudo docker commit mysql-cont docker_assaignment:dj sha256:1eab5b1cf91aeed35ff19b874ed1251592ea95c50cd9fb16017fd1affcfa65f4						
[DivyaJ@localhost ~]\$ sudo docker images						
REPOSITORY	TAG	IMAGE ID	CREATED	SIZE		
docker_assaignment	dj	1eab5b1cf91a	19 seconds ago	702MB		
mysql-image	latest	a74376ad5fb9	2 hours ago	496MB		
<none></none>	<none></none>	44723be59bcd	5 days ago	496MB		
mm-image	latest	251eaa5efb88	6 days ago	1.62GB		
docker_a1	latest	f0c8eaffa54c	6 days ago	1.04GB		
<none></none>	<none></none>	ccd2ffe35400	6 days ago	1.04GB		
cronjob_html	latest	dce385e38352	7 days ago	1.04GB		
indexx	latest	e0fdd9c67a14	7 days ago	1.04GB		
hello-world	latest	9c7a54a9a43c	4 months ago	13.3kB		

Login into docker

```
[DivyaJ@localhost ~]$ sudo docker login
Log in with your Docker ID or email address to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com/ to create one.
You can log in with your password or a Personal Access Token (PAT). Using a limited-scope PAT grants better security and is required for organizations using SSO. Learn more at https://docs.docker.com/go/access-tokens/

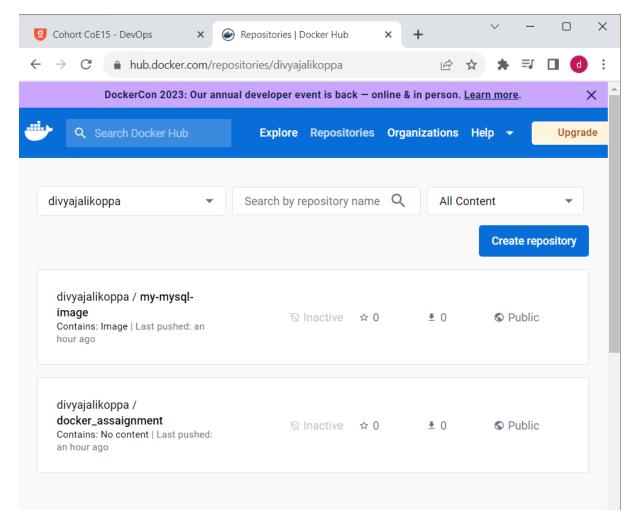
Username: divyajalikoppa
Password:
WARNING! Your password will be stored unencrypted in /root/.docker/config.json.
Configure a credential helper to remove this warning. See https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
```

Push local repo to docker hub

```
[DivyaJ@localhost ~]$ sudo docker tag mysql-image:latest divyajalikoppa/my-mysql-image:v1.0 [DivyaJ@localhost ~]$ sudo docker push divyajalikoppa/my-mysql-image:v1.0 [DivyaJ@localhost ~]$ sudo docker push divyajalikoppa/my-mysql-image]
78a7d702837c: Pushed
981afb2Uc99d: Pushed
45c3c88db563: Pushed
8602339e3eef: Pushed
8602339e3eef: Pushed
77e1cce7U909: Pushed
77e1cce7U909: Pushed
13b2c8090ad7: Pushed
e3235af76f17: Pushed
e3235af76f17: Pushed
v1.0: digest: sha25c:5066U9Uaac6U0ccee61b17a993bfcc278bb562e5852bb8df21U9df2f5ddU75U5 size: 1989
[DivyaJ@localhost ~]$
[DivyaJ@localhost ~]$
```

In docker check that the image is pushed or not in my case I pushed my-sql-image



Assaignment 5 create a directory structure and create an html filr

```
[DivyaJ@localhost ~]$ mkdir apache-html
[DivyaJ@localhost ~]$ cd apache-html
[DivyaJ@localhost apache-html]$ sudo vi index.html
[sudo] password for DivyaJ:
```

[DivyaJ@localhost apache-html]\$ sudo vi Dockerfile

```
Command Prompt - ssh Divy: × + v

FROM httpd:latest
COPY ./index.html /usr/local/apache2/htdocs/
```

Build the docker image

Assaignment 6: Mount a host directory as a docker volume to mysqld server container path /var/lib/mysql (you can mount volume using -v option in the command)

Create a directory and navigate into it

```
[DivyaJ@localhost ~]$ mkdir ~/mysql-data
[DivyaJ@localhost ~]$ cd ~/mysql-data
```

Run mysgl container with volume mount

```
[DivyaJ@localhost mysql-data]$ sudo docker run -d \
> --name mysql-container \
> -e MYSQL_ROOT_PASSWORD=2002Happy \
> -v ~/mysql-data:/var/lib/mysql \
> mysql:latest
[sudo] password for DivyaJ:
Unable to find image 'mysql:latest' locally
latest: Pulling from library/mysql
bc377bce3181: Pull complete
80bab949ab51: Pull complete
73682200afb7: Pull complete
d1c32d486523: Pull complete
54341582c90c: Pull complete
7490cd8f4d9b: Pull complete
de967683cb3b: Pull complete
39564f901a1e: Pull complete
c95e6efa291a: Pull complete
8366d05afd7c: Pull complete
Digest: sha256:85ab57eb4a48ada2a341dcf7d96733ce2f370fffb8e8e216991b106e50fa6
Status: Downloaded newer image for mysql:latest
84db5f6d6e16325f9b1fe0d8321691989e0abbdf2c73da3818260fdcb3b67cdc
```

View status

```
[DivyaJ@localhost mysql-data]$ sudo docker ps
CONTAINER ID
               IMAGE
                               COMMAND
                                                        CREATED
STATUS
                           PORTS
            NAMES
84db5f6d6e16
                               "docker-entrypoint.s.."
              mysql:latest
                                                        About a minute ago
Up 53 seconds
                           3306/tcp, 33060/tcp
            mysql-container
90147b944c8e
               apache-server
                               "httpd-foreground"
                                                        16 minutes ago
                           0.0.0.0:8080->80/tcp, :::8080->80/tcp
Up 16 minutes
            interesting_bassi
04f7b1d0dd03
               mysql-image
                               "/entrypoint.sh mysq..." 13 hours ago
Up 25 minutes (healthy)
                          0.0.0.0:3306->3306/tcp, :::3306->3306/tcp, 33060-
33061/tcp
          mysql-cont
```

Access mysql

```
[DivyaJ@localhost mysql-data]$ sudo docker exec -it mysql-container mysql -u root -p
Enter password:
Welcome to the MySQL monitor. Commands end with; or \g.
Your MySQL connection id is 8
Server version: 8.1.0 MySQL Community Server - GPL

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> ls ~/mysql-data
->
->
-> exit
->
-> exit
->
-> ^C
mysql> exit
Bye

[Divergelessless mysql data] f ls w/mysql data
```

List to verify

```
[DivyaJ@localhost mysql-data]$ ls ~/mysql-data
               client-key.pem
auto.cnf
                                                         server-cert.pem
binlog.000001
                 #ib_16384_0.dblwr mysql
                                                         server-key.pem
binlog.000002
                #ib_16384_1.dblwr mysql.ibd
                                    mysql.sock undo_001
performance_schema undo_002
                 ib_buffer_pool
binlog.index
ca-key.pem
                 ibdata1
                                    private_key.pem
ca.pem
                 ibtmp1
client-cert.pem #innodb_redo
                                    public_key.pem
[DivyaJ@localhost mysql-data]$
```

Assaignment 7:

```
[DivyaJ@localhost ~]$ mkdir mattermost-compose
[DivyaJ@localhost ~]$ cd mattermost-compose
[DivyaJ@localhost mattermost-compose]$
```

[DivyaJ@localhost mattermost-compose]\$ sudo vi docker-compose.yml
[DivyaJ@localhost mattermost-compose]\$ cd

```
[DivyaJ@localhost ~]$ mkdir mattermost-data
[DivyaJ@localhost ~]$ mkdir mysql-data
```

```
[DivyaJ@localhost mattermost-compose]$ sudo docker-compose up -d
Creating network "mattermostcompose_mattermost-net" with the default driver
Pulling database (mysql:5.7)...
5.7: Pulling from library/mysql
70e9ff4420fb: Pull complete
7ca4383b183f: Pull complete
3e282e7651b1: Pull complete
1ffa0e0ca707: Pull complete
6eb790cf6382: Pull complete
b4b277ff2929: Pull complete
692fe4469429: Pull complete
c0d447d97bbd: Pull complete
99ee594517ba: Pull complete
a9ae52de4d77: Pull complete
66cc05a182b5: Pull complete
Digest: sha256:2c23f254c6b9444ecda9ba36051a9800e8934a2f5828ecc8730531db8142af83
Status: Downloaded newer image for mysql:5.7
Pulling mattermost (mattermost/mattermost-preview:latest)...
latest: Pulling from mattermost/mattermost-preview
360eba32fa65: Pull complete
6987678f9780: Pull complete
42299245e905: Pull complete
afcda32ad76a: Pull complete
23d81c750666: Pull complete
c7813914a8b7: Pull complete
876fecb4c432: Pull complete
0a8727713246: Pull complete
86ca3070eaaa: Pull complete
8fe7c279224e: Pull complete
9ee906c6c211: Pull complete
3baddb10b524: Pull complete
1d69d50e495e: Pull complete
2c9a5a684cdd: Pull complete
5e721e64c162: Pull complete
99d564e973cd: Pull complete
```

```
Digest: sha256:a8f35dce336a536ce7459302f2177454e950fd3443615a98c1d68b3df2780b74
Creating mysql ... done
Creating mattermost ... done
Creating mattermost ...
```

[DivyaJ@localhost DOCKER_ASSAIGNMENT2]\$ curl http://172.17.0.1:8065

"doctype html>chtml lang="en">chead>maxe"weat charset="utf-8">cmeta name="viewport" content="width=device-width, initial=scale=1, maximum=scale=1, user=scalable=0

">cdototype html>chtml lang="en">chead>maxe"meta charset="utf-8">cmeta name="robtos" content="noindex, nofollom">cmeta name="referrer" content="noindex nofollom">cmeta name="referrer" content="noindex, nofollom">cmeta name="referrer">content="noindex, nofollom">cmeta name="referrer">content="noindex, nofollom">cmeta name="referrer">content="noindex, nofollom">cmeta name="referrer">content="noindex, nofollom">cmeta name="referrer">content="noindex, nofollom">cmeta name="referrer">content="noindex, nofollom">cmeta name="noindex, nofollom, nofollom,