Abdirizak kulmiye

Homework container communication.
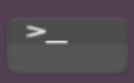
PhpMyAdmin and SQL.

CNA 350 L711

I am installing MariaDB and naming 'mar-Abdi' and publishing port 3306:3306 ,creating password 'Abdi'

Activities   Terminal ▼   Feb 9

                                                                           kulmiye73

```
kulmiye73@ubuntu:~$ sudo docker run  --name mar-abdi -p3306:3306 -e MYSQL_
```
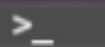
I am installing phpmyadmin and linking mar-abdi and publishing port 8089:80

```
kulmiye73@ubuntu:~$ docker run --name myadmin -d --link mar-abdi:db -p 808
```

Both containers are installed in docker and I started both containers mar-Abdi and myadmin.

```
kulmiye73@ubuntu:~$ docker ps
CONTAINER ID     IMAGE           COMMAND        CREATED      STATUS      PORTS        NAMES
kulmiye73@ubuntu:~$ docker ps -a
CONTAINER ID     IMAGE           COMMAND                 CREATED        STATUS
810dcf84c15d     phpmyadmin      "/docker-entrypoint.…"  22 hours ago   Exited
e98e3a107862     mariadb         "docker-entrypoint.s…"  22 hours ago   Exited
eb86387194c7     nginx           "/docker-entrypoint.…"  40 hours ago   Exited
d5be833e188c     nginx           "/docker-entrypoint.…"  40 hours ago   Exited
d9a6b55f0aac     phpmyadmin      "/docker-entrypoint.…"  42 hours ago   Exited
c747d7f57f3c     ubuntu          "/bin/bash"             2 days ago     Exited
b483634bf0d5     ubuntu          "/bin/bash"             2 days ago     Exited
c88e57ccfdce     nginx           "/docker-entrypoint.…"  2 days ago     Exited
07ab061c9039     ubuntu          "/bin/bash"             2 days ago     Exited
kulmiye73@ubuntu:~$ docker start mar-abdi
mar-abdi
kulmiye73@ubuntu:~$ docker start myadmin
myadmin
kulmiye73@ubuntu:~$
```

Both containers are up

kulmiye73@u

```
kulmiye73@ubuntu:~$ docker ps
CONTAINER ID    IMAGE         COMMAND                 CREATED         STATUS
810dcf84c15d    phpmyadmin    "/docker-entrypoint.…"  21 hours ago    Up 27 se
e98e3a107862    mariadb       "docker-entrypoint.s…"  22 hours ago    Up About
kulmiye73@ubuntu:~$
```

Now I am going to my local web browser and type my ip address and port number to access phpMyAdmin

Then I am entering my password to access the phpmyadmin

phpMyAdmin

Not secure | 10.0.0.101:8089/index.php

phpMyAdr

Welcome to phpM

Language

English

Log in ⑦

Username: root

Password: |

I am successfully imported zipcode database using phpMyAdmin from my local host.

phpMyAdmin

🏠 🖥 ⊘ 🗐 ⚙ 🔄

Recent | Favorites

🔗

Server: db » 🗑 Database: CSV_DB 5 » 📰 Table: free_zipcode_data

▦ Browse | 📉 Structure | 📜 SQL | 🔍 Search | ⚡ Insert

⚠ Current selection does not contain a unique column. Grid edit, checkb

✔ Showing rows 0 - 24 (10000 total, Query took 0.0002 seconds.)

SELECT * FROM `free_zipcode_database_primary_smol`

```
— 🗐 New
—🏛 CSV
 ⊞—🗐 CSV_DB 4
 ⊟—🗐 CSV_DB 5
     📰 New
  ⊞—📉 free_zipcode_database_p

⊞—🗐 information_schema
⊞—🗐 mysql
⊞—🗐 performance_schema
```

| 1 ⌄ | > | >> | | Number of rows: | 25 ⌄ | | Filter rows:

+ Options

COL 1	COL 2	COL 3	COL 4	COL 5	COL 6
Zipcode	ZipCodeType	City	State	LocationType	Coord_Lat
00705	STANDARD	AIBONITO	PR	PRIMARY	18.14
00610	STANDARD	ANASCO	PR	PRIMARY	18.28

This is my screenshot showing you I am accessing the zip code database from a browser in my host os.and my VM terminal open, with the output of ifconfig and docker ps -a , with relevant Ips and ports highlighted.

⌐+⌐   **kulmiye73@**

```
kulmiye73@ubuntu:~$ docker ps -a
CONTAINER ID    IMAGE          COMMAND                   CREATED         STATUS
810dcf84c15d    phpmyadmin     "/docker-entrypoint.…"    22 hours ago    Up 18
e98e3a107862    mariadb        "docker-entrypoint.s…"    22 hours ago    Up 18
eb86387194c7    nginx          "/docker-entrypoint.…"    40 hours ago    Exited
d5be833e188c    nginx          "/docker-entrypoint.…"    40 hours ago    Exited
d9a6b55f0aac    phpmyadmin     "/docker-entrypoint.…"    43 hours ago    Exited
c747d7f57f3c    ubuntu         "/bin/bash"               2 days ago      Exited
b483634bf0d5    ubuntu         "/bin/bash"               2 days ago      Exited
c88e57ccfdce    nginx          "/docker-entrypoint.…"    2 days ago      Exited
07ab061c9039    ubuntu         "/bin/bash"               2 days ago      Exited
kulmiye73@ubuntu:~$ ifconfig
docker0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 150
        inet 172.17.0.1  netmask 255.255.0.0  broadcast 172.
        inet6 fe80::42:55ff:fe37:b7c4  prefixlen 64  scopeid
        ether 02:42:55:37:b7:c4  txqueuelen 0  (Ethernet)
        RX packets 125  bytes 118346 (118.3 KB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 179  bytes 39589 (39.5 KB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collis

enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.0.0.101  netmask 255.255.255.0  broadcast 10
        inet6 2601:600:877f:80d0:8dc8:438f:d8f9:4c59  prefix
        inet6 2601:600:877f:80d0::d984  prefixlen 128  scope
        inet6 2601:600:877f:80d0:98da:9d5f:9eec:ea3d  prefix
        inet6 fe80::6057:22a1:8766:2949  prefixlen 64  scope
        ether 08:00:27:1d:79:b2  txqueuelen 1000  (Ethernet)
        RX packets 10498  bytes 2072600 (2.0 MB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 1821  bytes 358929 (358.9 KB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collis

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
        inet 127.0.0.1  netmask 255.0.0.0
        inet6 ::1  prefixlen 128  scopeid 0x10<host>
        loop  txqueuelen 1000  (Local Loopback)
        RX packets 372  bytes 35793 (35.7 KB)
        RX errors 0  dropped 0  overruns 0  frame 0
```

PMA 10.0.0.101:808

← → C

phpMyA

🏠🔌❓🗐
⚙🔄

Recent

Favorites

🔗

🗄 New
📊 CSV
🗄 CSV_I
📑 Ne