

sudo apt install docker.io

```
ubuntu@ip-172-31-91-90:~$ sudo apt install docker.io
```

sudo systemctl start docker

```
ubuntu@ip-172-31-91-90:~$ sudo systemctl start docker
```

sudo systemctl enable docker

```
ubuntu@ip-172-31-91-90:~$ sudo systemctl enable docker
```

systemctl -t service

```
ubuntu@ip-172-31-91-90:~$ systemctl -t service
```

Docker --version

```
ubuntu@ip-172-31-91-90:~$ docker --version
Docker version 19.03.8, build afac8b7f0
ubuntu@ip-172-31-91-90:~$
```

sudo docker ps

```
ubuntu@ip-172-31-91-90:~$ sudo docker pull mysql:5.7
5.7: Pulling from library/mysql
bb79b6b2107f: Pull complete
49e22f6fb9f7: Pull complete
842b1255668c: Pull complete
9f48d1f43000: Pull complete
c693f0615bce: Pull complete
8a621b9dbed2: Pull complete
0807d32aef13: Pull complete
f15d42f48bd9: Pull complete
098ceecc0c8d: Pull complete
b6fead9737bc: Pull complete
351d223d3d76: Pull complete
Digest: sha256:4d2b34e99c14edb99cdd95ddad4d9aa7ea3f2c4405ff0c3509a29dc40bcb10ef
Status: Downloaded newer image for mysql:5.7
docker.io/library/mysql:5.7
ubuntu@ip-172-31-91-90:~$
```

sudo docker images

```
ubuntu@ip-172-31-91-90:~$ sudo docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
mysql                5.7                1b12f2e9257b       3 weeks ago        448MB
ubuntu@ip-172-31-91-90:~$
```

sudo docker run -d -p 3306:3306 --name ContainerBD -e "MYSQL_DATABASE=banco1" -e "MYSQL_ROOT_PASSWORD=urubu100" mysql:5.7

```
ubuntu@ip-172-31-91-90:~$ sudo docker run -d -p 3306:3306 --name ContainerBD -e "MYSQL_DATABASE=banco1" -e "MYSQL_ROOT_PASSWORD=urubu100" mysql:5.7
8da7c5b805a36e488bf7aff2686ccee8bd99d213bda0fc024f149eaf9711843
ubuntu@ip-172-31-91-90:~$
```

Sudo docker ps

```
ubuntu@ip-172-31-91-90:~$ sudo docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS               NAMES
8da7c5b805a3       mysql:5.7          "docker-entrypoint.s..." About a minute ago   Up 58 seconds      0.0.0.0:3306->3306/tcp, 33060/tcp   ContainerBD
ubuntu@ip-172-31-91-90:~$
```

Sudo docker ps -a

```
ubuntu@ip-172-31-91-90:~$ sudo docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS               NAMES
8da7c5b805a3       mysql:5.7          "docker-entrypoint.s..." About a minute ago   Up About a minute   0.0.0.0:3306->3306/tcp, 33060/tcp   ContainerBD
ubuntu@ip-172-31-91-90:~$
```

sudo docker stats ContainerBD

```
CONTAINER ID        NAME               CPU %               MEM USAGE / LIMIT
MEM %              NET I/O            BLOCK I/O           PIDS
8da7c5b805a3       ContainerBD        0.05%              182.9MiB / 978.6MiB
18.69%            3.54kB / 0B       31.9MB / 187MB     27
```

sudo docker exec -it bfb9d1725221 bash

```
ubuntu@ip-172-31-91-90:~$ sudo docker exec -it 8da7c5b805a3 bash
root@8da7c5b805a3:/#
```

mysql -u root -p

```
ubuntu@ip-172-31-91-90:~$ sudo docker exec -it 8da7c5b805a3 bash
root@8da7c5b805a3:/# mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 2
Server version: 5.7.32 MySQL Community Server (GPL)

Copyright (c) 2000, 2020, Oracle and/or its affiliates. All rights reserved.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

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

mysql>
```

show databases;

```
mysql> SHOW DATABASES;
+-----+
| Database |
+-----+
| information_schema |
| bancol   |
| bancoS0  |
| mysql    |
| performance_schema |
| sys      |
+-----+
6 rows in set (0.00 sec)
```

exit

```
mysql> exit
Bye
root@8da7c5b805a3:/#
```

```
root@8da7c5b805a3:/# exit
exit
Terminal close -- exit!
Aborted
```

Sudo docker stop 8da7c5b805a3

```
ubuntu@ip-172-31-91-90:~$ sudo docker stop 8da7c5b805a3
8da7c5b805a3
ubuntu@ip-172-31-91-90:~$
```