```
This is a sandbox environment. Using personal credentials

Is HIGHNY discouraged. Any consequences of doing so are

Sompletely the user's responsibilities.

The PWD ream.

Socker run -dp 80:80 docker/getting-docker;pwd

Unable to find image 'docker/getting-docker;pwd locally

docker: Error response from demon: pull access denied for docker/getting-docker, repository does not e

xist or may require 'docker login': denied: requested access to the resource is denied.

Socker run -help.

[model] (local) roce8192.168.0.13 ~

Socker run -help.

Socker run -help.
```

```
[model] (local) root8192.168.0.13 ~
unrip app.zip
unrip can't open app.zip[.zip]
[model] (local) root8192.168.0.13 ~
S unrip app.zip
Archive: app.zip
creating: app/
inflating: app/package.json
inflating: app/package.json
inflating: app/src/rootes/
creating: app/src/rootes/
creating: app/src/rootes/getItems.js
inflating: app/src/rootes/getItems.js
inflating: app/src/rootes/detItems.js
inflating: app/src/rootes/src/detItems.js
inflating: app/src/rootes/src/detItems.js
inflating: app/src/rootes/src/detItems.js
inflating: app/src/static/js/react-dom.production.min.js
inflating: app/src/static/js/react-dom.production.min.js
inflating: app/src/static/js/pap.ji
```



```
inflating: app/src/static/.DS_Store
inflating: app/src/static/index.html
creating: app/src/static/css/
creating: app/src/static/css/font-awesome/
inflating: app/src/static/css/font-awesome/fa-solid-900.woff
inflating: app/src/static/css/font-awesome/fa-regular-400.svgffontawesome
inflating: app/src/static/css/font-awesome/fa-solid-900.ttf
inflating: app/src/static/css/font-awesome/fa-solid-900.ect
inflating: app/src/static/css/font-awesome/fa-brands-400.woff
inflating: app/src/static/css/font-awesome/fa-brands-400.ttf
inflating: app/src/static/css/font-awesome/fa-solid-900.woff
inflating: app/src/static/css/font-awesome/fa-solid-900.woff
inflating: app/src/static/css/font-awesome/fa-solid-900.woff
inflating: app/src/static/css/font-awesome/fa-brands-400.woff
inflating: app/src/static/css/font-awesome/fa-brands-400.woff
inflating: app/src/static/css/font-awesome/fa-brands-400.woff
inflating: app/src/static/css/font-awesome/fa-brands-400.woff
inflating: app/src/static/css/font-awesome/fa-brands-400.woff
inflating: app/src/static/css/font-awesome/fa-brands-400.woff
inflating: app/src/static/css/font-awesome/fa-regular-400.woff
inflating: app/src/static/css/font-awesome/fa-regular-400.woff
inflating: app/src/static/css/font-awesome/fa-regular-400.woff
inflating: app/src/static/css/font-awesome/fa-regular-400.woff
inflating: app/src/static/css/font-awesome/fa-regular-400.woff
inflating: app/src/static/css/font-awesome/fa-regular-400.woff
inflating: app/src/static/css/styles.css
creating: app/spc/coutes/
creating: app/spc/routes/addItem.spc.js
inflating: app/spc/routes/addItem.spc.js
inflating: app/spc/routes/addItem.spc.js
inflating: app/spc/routes/deleteltem.spc.js
inflating: app/spc/routes/deleteltem.spc.js
inflating: app/spc/routes/deleteltem.spc.js
inflating: app/spc/routes/deleteltem.spc.js
inflating: app/spc/routes/deleteltem.spc.js
inflating: app/spc/routes/deleteltem.spc.js
```

```
inflating: app/spec/routes/getItems.spec.js
   creating: app/spec/persistence/
  inflating: app/spec/persistence/sqlite.spec.js
     (local) root@192.168.0.13
 cd app/
     [1] (local) root@192.168.0.13 ~/app
 ackage.json spec
                                             yarn.lock
      ] (local) root@192.168.0.13 ~/app
$ FROM node:10-alpine
bash: FROM: command not found
      ] (local) root@192.168.0.13 ~/app
S docker build -t docker-101

ERROR: "docker buildx build" requires exactly 1 argument.
See 'docker buildx build --help'.
Usage: docker buildx build [OPTIONS] PATH | URL | -
Start a build
      ] (local) root@192.168.0.13 ~/app
docker build -t docker-101 .
[+] Building 0.1s (2/2) FINISHED
                                                                                                docker:default
      failed to solve: failed to read dockerfile: open /var/lib/docker/tmp/buildkit-mount3803455998/Do
ckerfile: no such file or directory
[node1] (local) root@192.168.0.13 ~/app
```

```
ERROR: failed to solve: failed to read dockerfile: open /var/lib/docker/tmp/buildkit-mount3803455998/Dockerfile: no such file or directory
[node1] (local) root8192.168.0.13 ~/app

$ ls

Dockerfile.txt package.json spec src yarn.lock
[node1] (local) root8192.168.0.13 ~/app

$ rm Dockerfile.txt

[node1] (local) root8192.168.0.13 ~/app

$ ls

package.json spec src yarn.lock
[node1] (local) root8192.168.0.13 ~/app

$ touch Dockerfile
[node1] (local) root8192.168.0.13 ~/app

$ touch Dockerfile
[node1] (local) root8192.168.0.13 ~/app

$ ls

Dockerfile package.json spec src yarn.lock
[node1] (local) root8192.168.0.13 ~/app

$ docker build -t docker-101 .

[#] Building 26.68 (9/9) FINISHED

$ contental load dockerignore

$ loce linernal load dockerignore

$ loss

$ ransferring dockerfile: 146B

$ loss

$ ransferring dockerfile: 146B

$ loss

$ ransled docker.io/library/node:10-alpine@sha256:dog8dac24efd4254f75976c40bce46944697a110d

$ loss

$ rans256:dog8dac24efd4254f75976c40bce46944697a110d

$ loss

$ rans256:dog8dac24efd4254f75976c40bce46944697a110d

$ loss

$ rans256:dog8dac24efd4254f75976c40bce46944697a110d06ce7efd20a95f1.166B / 1.168B

$ loss

$ rans256:dog8dac24efd4254f75976c40bce469546690d10ce7efd20a95f1.166B / 1.16B

$ loss

$ rans256:dog8dac24efd4254f75976c40bce46955aff4cc69e25cf0f0b027aff6f3c63a8cca2c8a440c 6.73kB / 6.73kB

$ loss

$ rans256:dog8dac24efd4254f75976c40bce46955aff4cc69e25cf0f0b027aff6f3c63a8cca2c8a440c 6.73kB / 6.73kB

$ loss

$ rans256:dog8dac24efd4254f75976c40bce46955aff4cc69e25cf0f0b027aff6f3c63a8cca2c8a440c 6.73kB / 6.73kB

$ loss

$ rans256:dog8dac24efd4254f75976c40bce46955aff4cc69e25cf0f0b027aff6f3c63a8cca2
```

```
[node1] (local) root@192.168.0.13 ~/app
$ docker run -dp 3000:3000 docker-101
b8ed825f02b894c9384784d30e183b716288cdbbcd78ba5e19b906e8123305fe
docker: Error response from daemon: driver failed programming external connectivity on endpoint charmin g_volhard (5cf5f804c6a06f8e3ae0b9423521e845f7d970e11f87f9c2111a138d856d8963): Bind for 0.0.0.0:3000 fai led: port is already allocated.
[node1] (local) root@192.168.0.13 ~/app
docker ps
 ONTAINER ID
                    IMAGE
                                                                COMMAND
                                                                                                     CREATED
                                                                                                                                                      P
                                                                                                                              STATUS
ORTS
                                  NAMES
                    7d95a37bf27e
c618be8c8c8a
                                                                "docker-entrypoint.s..." 4 minutes ago
                                                                                                                              Up 4 minutes
.0.0.0:3000->3000/tcp sleepy_jackson
dcdb9d6c09b2 docker/getting-started:pwd
.0.0.0:80->80/tcp eager_wing
                                                                "nginx -g 'daemon of..."
                                                                                                     55 minutes ago
                                                                                                                              Up 55 minutes
          (local) root@192.168.0.13 ~/app
  docker stop c618b
c618b
        .] (local) root@192.168.0.13 ~/app
  docker rm c618b
c618b
[node1] (local) root@192.168.0.13 ~/app
d7074977ff9fc0c0c997240c104608a7fa59d0fac85bed5f65271cbedda3cbc8
          (local) root@192.168.0.13 ~/app
  docker push pawanprk/101-todo-app:01
```

```
d7074977ff9fc0c0c997240c104608a7fa59d0fac85bed5f65271cbedda3cbc8
       ] (local) root@192.168.0.13 ~/app
$ docker push pawanprk/101-todo-app:01
The push refers to repository [docker.io/pawanprk/101-todo-app]
An image does not exist locally with the tag: pawanprk/101-todo-app
       ] (local) root@192.168.0.13 ~/app
$ docker push pawanprk/101-todo-app
Using default tag: latest
The push refers to repository [docker.io/pawanprk/101-todo-app]
An image does not exist locally with the tag: pawanprk/101-todo-app
       ] (local) root@192.168.0.13 ~/app
$ docker image ls
REPOSITORY
                              TAG
                                           IMAGE ID
                                                             CREATED
                                                                                  SIZE
                                           3c5cc9f4e5c1
docker-101
                              latest
                                                             10 minutes ago
                                                                                  171MB
                              <none>
                                           7d95a37bf27e
                                                             14 minutes ago
                                                                                  171MB
<none>
docker/getting-started
                             pwd
                                           45328bdf05eb
                                                             3 years ago
                                                                                  25.8MB
       ] (local) root@192.168.0.13 ~/app
$ docker login -u pawanprk
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
      [1] (local) root@192.168.0.13 ~/app
  docker tag docker-101 pawanprk/101-todo-app
[node1] (local) root@192.168.0.13 ~/app
$ docker push pawanprk/101-todo-app
Using default tag: latest
```

```
docker push pawanprk/101-todo-app
Using default tag: latest
The push refers to repository [docker.io/pawanprk/101-todo-app] 374582821049: Pushed
d99a53aeedbc: Pushed
 e9bf0e06e164: Pushed
  edff9ff691d5: Mounted from library/node
cbe4b9146f86: Mounted from library/node
a6524c5b12a6: Mounted from library/node
9a5d14f9f550: Mounted from library/node
latest: digest: sha256:32a83985321f9f2ccce7ad47c9e55ac86f50712029740e0ecd48c871bd5fd488 size: 1787
                                          cal) root@192.168.0.13 ~/app
$ docker volume create todo-db
    db-obo:
                     [] (local) root@192.168.0.13 ~/app
  standari (1964) for the first standard for th
docker: Error response from daemon: driver failed programming external connectivity on endpoint hungry_
hofstadter (96647e6d16d361dbe073f34a6ab0e8ec0594e379b62ea64de2c9ca4bbae7ff0e): Bind for 0.0.0.0:3000 fa
  iled: port is already allocated.
[node1] (local) root@192.168.0.13 ~/app
$ docker ps
      ONTAINER ID
                                                                                                                                                                 COMMAND
                                                                                                                                                                                                                                                                                                                                       STATUS
                                                   IMAGE
                 PORTS
                                                                                                              NAMES
 d7074977ff9f
                                                    docker-101
                                                                                                                                                                  "docker-entrypoint.s.." 32 minutes ago
                                                                                                                                                                                                                                                                                                                                      Up 32 minutes
                 0.0.0.0:3000->3000/tcp
                                                                                                        pedantic_cartwright
   dcdb946c09b2 docker/getting-started:pwd
ar 0.0.0.0:80->80/tcp eager_wing
[node1] (local) root@192.168.0.13 ~ /app
                                                                                                                                                                  "nginx -g 'daemon of..." About an hour ago Up About an ho
```

```
docker: Error response from daemon: driver failed programming external connectivity on endpoint hungry_hofstadter (96647e6d16d361dbe073f34a6ab0e8ec0594e379b62ea64de2c9ca4bbae7ff0e): Bind for 0.0.0.0:3000 failed: port is already allocated.
[nodel] (local) root@192.168.0.13 ~/app
$ docker ps
CONTAINER ID
                        IMAGE
                                                                          COMMAND
                                                                                                                                                      STATUS
                                                                                                                    CREATED
        PORTS
       4977ff9f docker-101
0.0.0.0:3000->3000/tcp
d7074977ff9f
                                                                          "docker-entrypoint.s..." 32 minutes ago
                                                                                                                                                      Up 32 minutes
0.0.0.0:3000->3000/tcp pedantic_cartwright
dcdb9d6c09b2 docker/getting-started:pwd "ngin>
                                                                          "nginx -g 'daemon of..." About an hour ago Up About an ho
docker run -dp 3001:3001 -v todo-db:/etc/todos docker-101
9ad6fb0382d2f38f9a65f1b459eda713f9da130e2728f3be59aee0740b75cf8e
[nodel] (local) root@192.168.0.13 ~/app
  docker ps
 CONTAINER ID IMAGE
                                                                          COMMAND
                                                                                                                     CREATED
                                                                                                                                                 STATUS
                                                                                                                                                                             P
                                        NAMES
ORTS
 ad6fb0382d2
                       docker-101
                                                                          "docker-entrypoint.s..." 2 minutes ago
                                                                                                                                                 Up 2 minutes
.0.0.0:3001->3001/tcp condescending_booth
d7074977ff9f docker-101
.0.0.0:3000->3000/tcp pedantic_cartwright
                                                                          "docker-entrypoint.s..." 35 minutes ago
                                                                                                                                                 Up 35 minutes
.0.0.0:3000-3000/tep pedantic_cartwrigh
dcdb9d6c09b2 docker/getting-started:pwd
.0.0.0:80->80/tep eager_wing
[nodel] (local) root@192.168.0.13 ~/app
$ docker 9ad6f
docker: '9ad6f' is not a docker command.
                                                                         "nginx -g 'daemon of..." 2 hours ago
                                                                                                                                                 Up 2 hours
See 'docker --help'
        el] (local) root@192.168.0.13 ~/app
```

```
See 'docker --help'
[node1] (local) root@192.168.0.13 ~/app
  docker stop 9ad6f
9ad6f
[node1] (local) root@192.168.0.13 ~/app
  docker rm 9ad6f
9ad6f
[node1] (local) root@192.168.0.13 ~/app
 ONTAINER ID IMAGE
                                                    COMMAND
                                                                                  CREATED
                                                                                                      STATUS
ORTS NA
d7074977ff9f docker-101
                            NAMES
                                                    "docker-entrypoint.s..." 38 minutes ago Up 38 minutes
0.0.0:3000->3000/tcp pedantic_cartwright dcdb9d6c09b2 docker/getting-started:pwd .0.0.0:80->80/tcp eager_wing [nodel] (local) root@192.168.0.13 ~/app
                                                    "nginx -g 'daemon of..." 2 hours ago
                                                                                                      Up 2 hours
$ docker stop docker-101
Error response from daemon: No such container: docker-101 [node1] (local) root@192.168.0.13 ~/app
  docker stop d7074
7 d7074
[node1] (local) root@192.168.0.13 ~/app
  docker rm d7074
ONTAINER ID
                 IMAGE
                                                    COMMAND
                                                                                  CREATED
                                                                                                   STATUS
                                                                                                                   PORTS
                NAMES
                docker/getting-started:pwd "nginx -g 'daemon of..." 2 hours ago Up 2 hours 0.0.0.0
 dcdb9d6c09b2
```

```
CONTAINER ID
                                              COMMAND
               IMAGE
                                                                                                     PORTS
                                                                        CREATED
                                                                                       STATUS
              NAMES
dcdb9d6c09b2 docker/getting-started:pwd "nginx -g 'daemon of..." 2 hours ago Up 2 hours
                                                                                                     0.0.0.0
      30/tcp eager_wing
1] (local) root@192.168.0.13 ~/app
:80->80/tcp
$ docker run -dp 3001:3001 -v todo-db:/etc/todos docker-101
3d83dc3736b8878c7468234bb082909f6c54d50aaa9852e31e9bdefbf5b384f0
     1] (local) root@192.168.0.13 ~/app
$ docker ps
CONTAINER ID
              IMAGE
                                              COMMAND
                                                                        CREATED
                                                                                         STATUS
TS
                      NAMES
3d83dc3736b8
              docker-101
                                              "docker-entrypoint.s..." 3 minutes ago
                                                                                         Up 3 minutes
                                                                                                         0.0
.0.0:3001->3001/tcp zen_easley
dcdb9d6c09b2 docker/getting-started:pwd "nginx -g 'daemon of..." 2 hours ago
                                                                                                         0.0
                                                                                         Up 2 hours
.0.0:80->80/tcp eager_wing [node1] (local) root@192.168.0.13 ~/app
$ docker stop 3d83d
3d83d
      [] (local) root@192.168.0.13 ~/app
$ docker rm 3d83d
3d83d
     1] (local) root@192.168.0.13 ~/app
  docker volume inspect todo-db
        "CreatedAt": "2023-11-16T10:27:56Z",
        "Driver": "local",
        "Labels": null,
"Mountpoint": "/var/lib/docker/volumes/todo-db/_data",
```



```
root@192.168.0.13 ~/app
$ docker rm 3d83d
3d83d
          (local) root@192.168.0.13 ~/app
   docker volume inspect todo-db
           "CreatedAt": "2023-11-16T10:27:56Z",
           "Driver": "local",
"Labels": null,
"Mountpoint": "/var/lib/docker/volumes/todo-db/_data",
           "Name": "todo-db",
            "Options": null,
"Scope": "local"
      el] (local) root@192.168.0.13 ~/app
 docker ps
 CONTAINER ID
                    IMAGE
                                                                  COMMAND
                                                                                                       CREATED
                                                                                                                            STATUS
                                                                                                                                                PORTS
NAMES

dcdb9d6c09b2 docker/getting-started:pwd "nginx -g 'daemon of..." 3 hours ago Up 3 hours 0.0.0.0 :80->80/tcp eager_wing

[nodel] (local) root@192.168.0.13 ~/app

$ docker run -dp 3000:3000 \ -w /app -v $PWD:/app \ node:10-alpine \ sh -c "yarn install && yarn run de -"
docker: invalid reference format.
 ee 'docker run --help'.

nodel] (local) root@192.168.0.13 ~/app

docker run -dp 3000:3000 \-w /app -v $PWD:/app \node:10-alpine \sh -c "yarn install && yarn run dev"
```

```
ONTAINER ID
                           IMAGE
                                                                                  COMMAND
                                                                                                                                 CREATED
                                                                                                                                                           STATUS
                                                                                                                                                                                    PORTS
                         NAMES
  lcdb9d6c09b2 docker/getting-started:pwd "nginx -g 'daemon of..." 3 hours ago Up 3 hours 0.0.0.0
:80->80/tcp eager_wing
[nodel] (local) root8192.168.0.13 ~/app
$ docker run -dp 3000:3000 \ -w /app -v $PWD:/app \ node:10-alpine \ sh -c "yarn install && yarn run de
docker: invalid reference format.

See 'docker run --help'.

[nodel] (local) root@192.168.0.13 ~/app

$ docker run -dp 3000:3000 \-w /app -v $PWD:/app \node:10-alpine \sh -c "yarn install && yarn run dev"

Unable to find image 'node:10-alpine' locally

10-alpine: Pulling from library/node

ddad3d7c1e96: Already exists

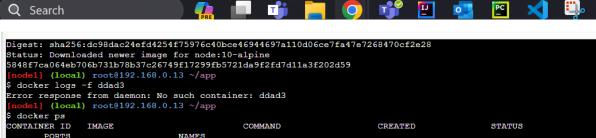
de915e575d22: Already exists

7150aa69525b: Already exists

7150aa69525b: Already exists

Digest: sha256:dc98dac24efd4254f75976c40bce46944697a110d06ce7fa47e7268470cf2e28

Status: Downloaded newer image for node:10-alpine
 docker: invalid reference format.
Status: Downloaded newer image for node:10-alpine
5848f7ca064eb706b731b78b37c26749f17299fb5721da9f2fd7d11a3f202d59
  node1] (local) root@192.168.0.13 ~/app
docker logs -f ddad3
 Error response from daemon: No such container: ddad3 [node1] (local) root@192.168.0.13 ~/app
  docker ps
  ONTAINER ID
                           IMAGE
                                                                                  COMMAND
                                                                                                                                 CREATED
                                                                                                                                                                        STATUS
                                                            NAMES
                                                                                   "docker-entrypoint.s..." About a minute ago Up About a mi
           7ca064e node:10-alpine
0.0.0.0:3000->3000/tcp
5848f7ca064e
                                                           wizardly gauss
```



```
nodemon] to restart at any time, enter `rs`
nodemon] watching dir(s): "."
nodemon] starting `node src/index.js`
Using sqlite database at /etc/todos/todo.db
Listening on port 3000
^c [node1] (local) root@192.168.0.13 ~/app
$ docker network create todo-app
ed4a77bbe9ec3aa883872bad212eebf4cf99ebb637a1c242759a928ed0aa81c5
[node1] (local) root@192.168.0.13 ~/app
$ docker run -d \
docker: invalid reference format.
docker: invalid reference format.

See 'docker run --help'.

[nodel] (local) root@192.168.0.13 ~/app

$ docker run -d \--network todo-app --network-alias mysql \-v todo-mysql-date:/var/lib/mysql \-e MYSQL_

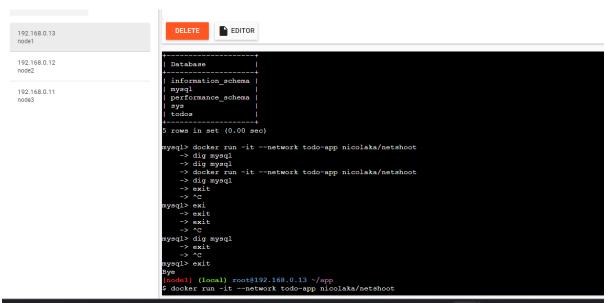
ROOT_PASSWORD=secret \-e MYSQL_DATABASE=todos \mysql:5.7

Unable to find image 'mysql:5.7' locally

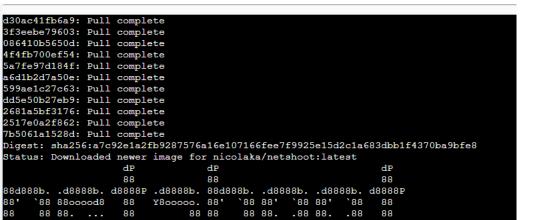
5 7. Pulling from library/mysql.
5.7: Pulling from library/mysql
11a38aebcb7a: Pull complete
91ab01309bd6: Pull complete
6c91fabb88c2: Pull complete
8f46e806ab5c: Pull complete
29f5af1d1661: Pull complete
62aca7179a54: Pull complete
85023e6de3be: Pull complete
 6d5934a87cbb: Pull complete
 878502d3f70: Pull complete
4756467c684a: Pull complete
```

```
6d5934a87cbb: Pull complete
c878502d3f70: Pull complete
4756467c684a: Pull complete
 ee9043dd2677: Pull complete
Digest: sha256:f566819f2eee3a60cf5ea6c8b7d1bfc9de62e34268bf62dc34870c4fca8a85d1
Status: Downloaded newer image for mysql:5.7
c49bd286e4cc45cd5369b681f9ea6a1323242c4d5f4bfce9cbaed318e4a0a817
         ] (local) root@192.168.0.13 ~/app
$ docker ps
CONTAINER ID
                     IMAGE
                                                                                                        CREATED
                                                                                                                                         STATUS
                                                                   COMMAND
         PORTS
c49bd286e4cc mysq1:5.7
nute 3306/tcp, 33060/tcp
5848f7ca064e node:10-alpine
                                                                   "docker-entrypoint.s.." About a minute ago Up About a mi
                                                nifty_thompson
                                                                  "docker-entrypoint.s..." 9 minutes ago
                                                                                                                                        Up 9 minutes
          0.0.0.0:3000->3000/tcp wizardly_gauss
dcdb9d6c09b2 docker/getting-started;pwd 'dcdb9d6c09b2 docker/getting-started;pwd '0.0.0.0:80->80/tcp eager_wing [nodel] (local) root@192.168.0.13 ~/app $ docker exec -it c49bd "docker exec" requires at least 2 arguments. See 'docker exec --help'.
                                                                "nginx -g 'daemon of..." 3 hours ago
                                                                                                                                         Up 3 hours
Usage: docker exec [OPTIONS] CONTAINER COMMAND [ARG...]
Execute a command in a running container [nodel] (local) root@192.168.0.13 ~/app $ docker exec -it c49bd mysql -p
Ther password:
ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: YES)
```

```
Enter password:
ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: YES)
      1] (local) root@192.168.0.13 ~/app
 docker exec -it c49bd mysql -p
Enter password:
ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: YES)
[node1] (local) root@192.168.0.13 ~/app
 docker exec -it c49bd mysql -p
Enter password:
ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: YES)
[nodel] (local) root@192.168.0.13 ~/app
$ docker exec -it c49bd mysql -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g. Your MySQL connection id is 5
Server version: 5.7.44 MySQL Community Server (GPL)
Copyright (c) 2000, 2023, Oracle and/or its affiliates.
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> SHOW DATABASES;
  Database
```



```
mysql> exi
    -> exit.
    -> exit
        ^C
 nysql> dig mysql
    -> exit
    -> ^C
 mysql> exit
Bye [node1] (local) root@192.168.0.13 ~/app
$ docker run -it --network todo-app nicolaka/netshoot
Unable to find image 'nicolaka/netshoot:latest' locally latest: Pulling from nicolaka/netshoot
8a49fdb3b6a5: Pull complete
f08cc7654b42: Pull complete
 oacdb080ad6d: Pull complete
df75a2676b1d: Pull complete
d30ac41fb6a9: Pull complete
3f3eebe79603: Pull complete
086410b5650d: Pull complete
4f4fb700ef54: Pull complete
5a7fe97d184f: Pull complete
 a6d1b2d7a50e: Pull complete
599ae1c27c63: Pull complete
dd5e50b27eb9: Pull complete
2681a5bf3176: Pull complete
2517e0a2f862: Pull complete
7b5061a1528d: Pull complete
Digest: sha256:a7c92e1a2fb9287576a16e107166fee7f9925e15d2c1a683dbb1f4370ba9bfe8
                                                    □
Q Search
```



dP '88888P' '88888P'

dΡ

Welcome to Netshoot! (github.com/nicolaka/netshoot) Version: 0.11

`88888P' dP

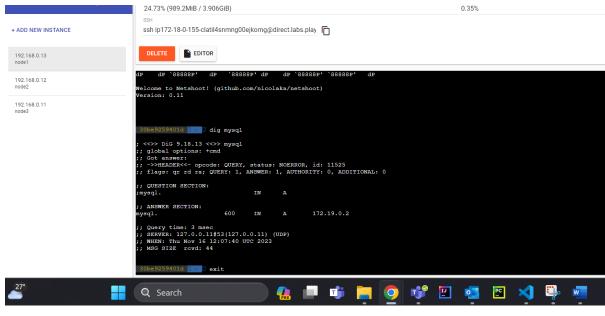
dP

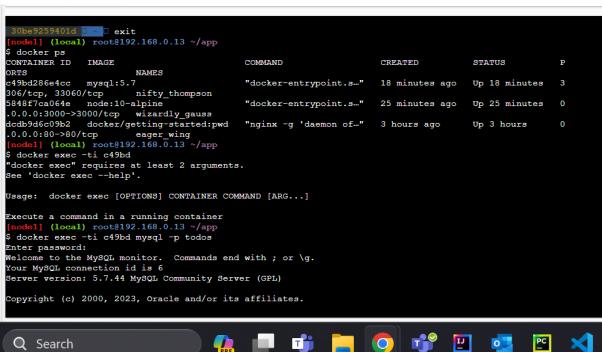
30be9259401d 🗆 ~ 📮 dig mysql

88 88. ... dP `88888P'

dP

<>>> DiG 9.18.13 <<>> mysql





```
Usage: docker exec [OPTIONS] CONTAINER COMMAND [ARG...]
Execute a command in a running container [nodel] (local) root@192.168.0.13 ~/app
$ docker exec -ti c49bd mysql -p todos
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 6
Server version: 5.7.44 MySQL Community Server (GPL)
 Copyright (c) 2000, 2023, Oracle and/or its affiliates.
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> exit
[node1] (local) root@192.168.0.13 ~/app
$ docker exec -ti c49bd mysql -p todos
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \gray{g}.
Your MySQL connection id is 7
Server version: 5.7.44 MySQL Community Server (GPL)
Copyright (c) 2000, 2023, Oracle and/or its affiliates.
                                                         Ti
 Q Search
```

```
mysql> exit
Bye [node1] (local) root@192.168.0.13 ~/app
$ docker exec -ti c49bd mysql -p todos
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g. Your MySQL connection id is 7
Server version: 5.7.44 MySQL Community Server (GPL)
Copyright (c) 2000, 2023, Oracle and/or its affiliates.
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> select * from todo_items
    -> select * from todo_items;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MyS QL server version for the right syntax to use near 'select * from todo_items' at line 2 mysql> select * from todo_items; ERROR 1146 (42802): Table 'todos.todo_items' doesn't exist
mysql> exit
Bye [node1] (local) root@192.168.0.13 ~/app
$ docker-compose version
 ocker Compose version v2.23.0
    del] (local) root@192.168.0.13 ~/app
```

```
$ docker-compose version
 ocker Compose version v2.23.0 [node1] (local) root@192.168.0.13 ~/app
   docker-compose.yml
 wash: docker-compose.yml: command not found nodel] (local) root@192.168.0.13 ~/app
   vi docker-compose.yml
         l] (local) root@192.168.0.13 ~/app
 $ docker-compose up -d
[+] Building 0.0s (0/0)
                                                                                                                                              docker:default
    Volume app_todo mysqr dated

√ Container app-mysqr 1

√ Container app-mysqr 2

Created

Container app-app-1

Error response from daemon: driver failed programming external connectivity on endpoint app-app-1 (fa72 63b675825b3dea090982d86683951467c9061c0b209fb56f55fcabf4608a): Bind for 0.0.0.0:3000 failed: port is al
 ready allocated
  nodel] (local) root@192.168.0.13 ~/app
docker ps
                                                                                                                                           STATUS
  ONTAINER ID
                                                                       COMMAND
                                                                                                               CREATED
                                                                                                                                                                     P
 ORTS
                                      NAMES
739abc398d16
                     mysql:5.7
                                                                                                               14 seconds ago
                                                                       "docker-entrypoint.s..."
                                                                                                                                          Up 13 seconds
306/tcp, 33060/tcp
c49bd286e4cc mysql:5.7
                                      app-mysql-1
                                                                       "docker-entrypoint.s.."
                                                                                                               24 minutes ago
                                                                                                                                          Up 24 minutes
c49bd286e4cc mysq.rs.,
306/tcp, 33060/tcp nifty_thompson
5848f7ca064e node:10-alpine
.0.0.0:3000->3000/tcp wizardly_gauss
dcdb9d6c09b2 docker/getting-started:pwd
                                                                       "docker-entrypoint.s.."
                                                                                                               32 minutes ago
                                                                                                                                          Up 32 minutes
                                                                       "nginx -g 'daemon of..."
                                                                                                               3 hours ago
                                                                                                                                           Up 3 hours
                                                                                                                      ---- III
                                                                                                                                                            PC
 Q Search
         1] (local) root@192.168.0.13 ~/app
 $ docker ps
CONTAINER ID
                        IMAGE
                                                                     COMMAND
                                                                                                           CREATED
                                                                                                                                      STATUS
                                     NAMES
 739abc398d16
                       mysql:5.7
                                                                     "docker-entrypoint.s..."
 739abc398d16 mysql:5.7
306/tcp, 33060/tcp app-mysql-1
c49bd286e4cc mysql:5.7
306/tcp, 33060/tcp nifty_thompson
5848f7ca064e node:10-alpine
.0.0.0:3000->3000/tcp wizardly_gauss
dcdb9d6c09b2 docker/getting-started:pwd
.0.0.0:80->80/tcp eager_wing
[node1] (local) root@192.168.0.13 ~/app
$ docker stop && rm 5848f
"docker stop" requires at least 1 argument.
See 'docker stop --help'.
                                                                                                           14 seconds ago
                                                                                                                                     Up 13 seconds
                                                                                                                                                              3
                                                                     "docker-entrypoint.s..."
                                                                                                           24 minutes ago
                                                                                                                                     Up 24 minutes
                                                                     "docker-entrypoint.s..."
                                                                                                           32 minutes ago
                                                                                                                                     Up 32 minutes
                                                                                                                                                              0
                                                                     "nginx -g 'daemon of..."
                                                                                                          3 hours ago
                                                                                                                                     Up 3 hours
 Usage: docker stop [OPTIONS] CONTAINER [CONTAINER...]
 Stop one or more running containers
 [node1] (local) root@192.168.0.13 ~/app
$ docker stop 5848f
   nodel] (local) root@192.168.0.13 ~/app
docker rm 5848f
   docker ps
ONTAINER ID IMAGE
                                                                     COMMAND
                                                                                                           CREATED
                                                                                                                                      STATUS
```

2

TI

```
$ docker stop 5848f
5848f
[nodel] (local) root@192.168.0.13 ~/app
$ docker rm 5848f
5 decreases
5848f
[node1] (local) root@192.168.0.13 ~/app
[node1] (IOCas)
$ docker ps
CONTAINER ID IMAGE
                                                     COMMAND
                                                                                    CREATED
                                                                                                         STATUS
"docker-entrypoint.s..." 2 minutes ago
                                                                                                         Up 2 minutes
                                                      "docker-entrypoint.s..." 26 minutes ago Up 26 minutes 3
                                                                                                         Up 3 hours
7 39abc
[node1] (local) root@192.168.0.13 ~/app
$ docker rm 739abc
739abc
[node1] (local) root@192.168.0.13 ~/app
$ docker-compose up -d
[+] Building 0.0s (0/0)
                                                                                                            docker:default
   Container app-mysql-1 Started
Container app-app-1 Started
odel] (local) root@192.168.0.13 ~/app
  П
```