http://localhost:3000

You must log in to this network before you can access the Internet.   Open network login page

Hello from docker!

```
1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA:~$ cd docker
1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA:~/docker$ cd lab
1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA:~/docker/lab$ mkdir reallab
1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA:~/docker/lab$ cd reallab
1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA:~/docker/lab/reallab$ mkdir lab1
1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA:~/docker/lab/reallab$ nano Dockerfile
1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA:~/docker/lab/reallab$ cat Dockerfile
#This is a dockerfile

FROM python:3.9-slim

WORKDIR /app.py

COPY requirements.txt .

RUN pip install --no-cache-dir -r requirements.txt

COPY . .

ENV FLASK_APP=app.py

ENV FLASK_RUN_HOST=0.0.0.0

ENV FLASK_RUN_PORT=5000

EXPOSE 5000

CMD ["flask","run"]
1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA:~/docker/lab/reallab$ nano requirements.txt
1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA:~/docker/lab/reallab$ cat requirements.txt
flask
1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA:~/docker/lab/reallab$ nano app.py
1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA:~/docker/lab/reallab$ cat app.py
from flask import Flask
```

1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA: ~/docker/lab/reallab

1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA: ~/docker/lab...   ✕   1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA: ~/docker/lab   ✕   ⌄

```
=> CACHED [3/5] COPY requirements.txt .                                                    0.0s
=> CANCELED [4/5] RUN pip install --no-cache-dir -r requirements.txt                       45.2s
ERROR: failed to build: failed to solve: Canceled: context canceled
1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA:~/docker/lab/reallab$ docker build -t flaskimage .
[+] Building 7.2s (10/10) FINISHED                                          docker:default
 => [internal] load build definition from Dockerfile                                       0.0s
 => => transferring dockerfile: 296B                                                       0.0s
 => [internal] load metadata for docker.io/library/python:3.9-slim                         1.0s
 => [internal] load .dockerignore                                                          0.0s
 => => transferring context: 2B                                                            0.0s
 => [1/5] FROM docker.io/library/python:3.9-slim@sha256:545badebace9a958b98d3e272f0f0d46c0a1a389ac77e24c33f2e7b548ce1b6b   0.0s
 => [internal] load build context                                                          0.0s
 => => transferring context: 117B                                                          0.0s
 => CACHED [2/5] WORKDIR /app.py                                                           0.0s
 => CACHED [3/5] COPY requirements.txt .                                                   0.0s
 => [4/5] RUN pip install --no-cache-dir -r requirements.txt                               5.9s
 => [5/5] COPY . .                                                                         0.1s
 => exporting to image                                                                     0.2s
 => => exporting layers                                                                    0.2s
 => => writing image sha256:ea41b642d6b0a8716f769cd65311d99f0edf858dea5338cc002dcf9aa79fd9ad                0.0s
 => => naming to docker.io/library/flaskimage                                              0.0s
1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA:~/docker/lab/reallab$ docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
flaskimage    latest    ea41b642d6b0   6 seconds ago  132MB
<none>        <none>    6694befecb4e   4 days ago     147MB
<none>        <none>    33397d33799f   4 days ago     143MB
wordpress     latest    7332768c717f   4 weeks ago    734MB
hello-world   latest    1b44b5a3e06a   2 months ago   10.1kB
1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA:~/docker/lab/reallab$ docker run -d -p 3000:3000 --name flaskcontainer fl
askimage
3b63e2e574a162b106546af8c648f6cec375f8fd2bbd3dd024168883c4bd9e07
1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA:~/docker/lab/reallab$ docker ps
CONTAINER ID   IMAGE     COMMAND     CREATED     STATUS     PORTS        NAMES
1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA:~/docker/lab/reallab$ docker logs flaskcontainer
Traceback (most recent call last):
```

```
=> exporting to image                                                              0.1s
=> => exporting layers                                                             0.0s
=> => writing image sha256:beca2a7045e1850af52926594d2df79f66d4c5372b7ad4af714ae9f530d5580d    0.0s
=> => naming to docker.io/library/flaskimage1                                      0.0s
1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA:~/docker/lab/reallab$ docker run -d -p 3000:3000 --name flaskcontainer fl
askimage1
docker: Error response from daemon: Conflict. The container name "/flaskcontainer" is already in use by container "3b63e2e574a162b106546
af8c648f6cec375f8fd2bbd3dd024168883c4bd9e07". You have to remove (or rename) that container to be able to reuse that name.

Run 'docker run --help' for more information
1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA:~/docker/lab/reallab$ docker run -d -p 3000:3000 --name flaskcontainer1 f
laskimage1
d34ced62c6a7ded1fc81c9a892608af099eddb4c61026562c52af053a9018f23
1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA:~/docker/lab/reallab$ docker ps
CONTAINER ID   IMAGE        COMMAND        CREATED        STATUS         PORTS                                           NAMES
d34ced62c6a7   flaskimage1  "flask run"    4 seconds ago  Up 4 seconds   0.0.0.0:3000->3000/tcp, [::]:3000->3000/tcp, 5000/tcp   flaskc
ontainer1
1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA:~/docker/lab/reallab$ docker run -d -p 5000:5000 --name flaskcontainer2 f
laskimage2
Unable to find image 'flaskimage2:latest' locally
^C1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA:~/docker/lab/reallab$ docker run -d -p 5000:5000 --name flaskcontainer2
 flaskimage1
72c685aa40cedeb9f7c9b9fbdc8c76ea4735785d00ef5335fced926f5cdb42b5
1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA:~/docker/lab/reallab$ docker ps
CONTAINER ID   IMAGE        COMMAND        CREATED            STATUS            PORTS                                      
    NAMES
72c685aa40ce   flaskimage1  "flask run"    4 seconds ago      Up 4 seconds      0.0.0.0:5000->5000/tcp, [::]:5000->5000/tcp
    flaskcontainer2
d34ced62c6a7   flaskimage1  "flask run"    About a minute ago  Up About a minute  0.0.0.0:3000->3000/tcp, [::]:3000->3000/tcp, 5000/tc
p    flaskcontainer1
1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA:~/docker/lab/reallab$ docker container stop flaskcontainer2
flaskcontainer2
1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA:~/docker/lab/reallab$ docker container stop flaskcontainer1
flaskcontainer1
1RV24MC023_CTULLAS@ctullas-VivoBook-ASUSLaptop-K3402ZA-S3402ZA:~/docker/lab/reallab$ 
```