

Afisarea unui mesaj in browser folosind Python in container
situatia initiala

```
alex@alex-pc:~/Documents/2020-2021/an2zi/00. Curs/11.03$ tree
.
├── Dockerfile
├── folosire python in docker.docx
├── index.py
├── NASA rules.docx
├── requirements.txt
└── temp.txt

0 directories, 6 files
```

Dockerfile

```
FROM python:alpine3.7
COPY . /app
WORKDIR /app
RUN pip install -r
requirements.txt
EXPOSE 5000
CMD python ./index.py
```

index.py

```
from flask import Flask
app = Flask(__name__)
@app.route("/")
def hello():
    return "Hello World!
BUCURESTI \n UTM "
if __name__ ==
"__main__":
    app.run(host="0.0.0.0",
port=int("5000"),
debug=True)
```

requirements.txt

flask

Flask is a web framework, it's a Python module that lets you develop web applications easily.
(<https://pythonbasics.org/what-is-flask-python/>)

create image

docker build -t myp .

```
flaskalex@alex-pc:~/Documents/2020-2021/an2zi/00. Curs/11.03$ docker build -t my
p .
Sending build context to Docker daemon  144.9kB
Step 1/6 : FROM python:alpine3.7
alpine3.7: Pulling from library/python
```

lansare in executie (incorecta)??

```
alex@alex-pc:~/Documents/2020-2021/an2zi/00. Curs/11.03$ docker images |grep my
myp          latest          f5c91553f177      35 seconds ago
             91.7MB
myh          1              bf756fb1ae65      14 months ago
             13.3kB
alex@alex-pc:~/Documents/2020-2021/an2zi/00. Curs/11.03$ docker run myp
```

lista containere active

docker ps

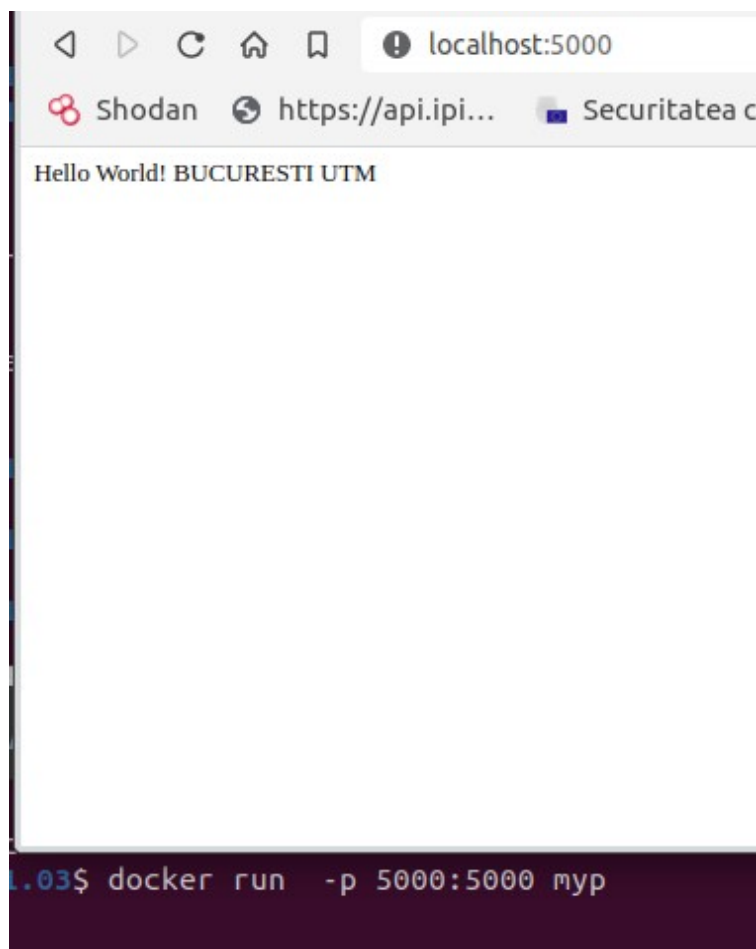
in container

docker exec -it 8bf3 /bin/sh

```
alex@alex-pc:~/Documents/2020-2021/an2zi/00. Curs/11.03$ docker exec -it 8bf3
bin/sh
```

lansare in executie (corecta)

```
docker run -p 5000:5000 myp
```



verific existenta nano in container

```
docker exec -it 2c6 /bin/sh
```

```
alex@alex-pc:~/Documents/2020-2021/an2zi/00. Curs/11.03$ docker exec -it 2c6 /bin/sh
/app # pwd
/app
/app # ls
Dockerfile      index.py        temp.txt
NASA rules.docx requirements.txt
/app # nano
/bin/sh: nano: not found
```

opresc container

docker stop 2c6

```
alex@alex-pc:~/Documents/2020-2021/an2zi/00. Curs/11.03$ docker stop 2c6
2c6
alex@alex-pc:~/Documents/2020-2021/an2zi/00. Curs/11.03$
```

modific Dockerfile

Dockerfile