Домашна 3

```
C:\Users\krist>docker-compose --version
Docker Compose version v2.33.1-desktop.1

C:\Users\krist>mkdir composeapp

C:\Users\krist>cd composeapp

C:\Users\krist\composeapp>nano app.py

C:\Users\krist\composeapp>nano requirements.txt

C:\Users\krist\composeapp>nano Dockerfile

C:\Users\krist\composeapp>
```
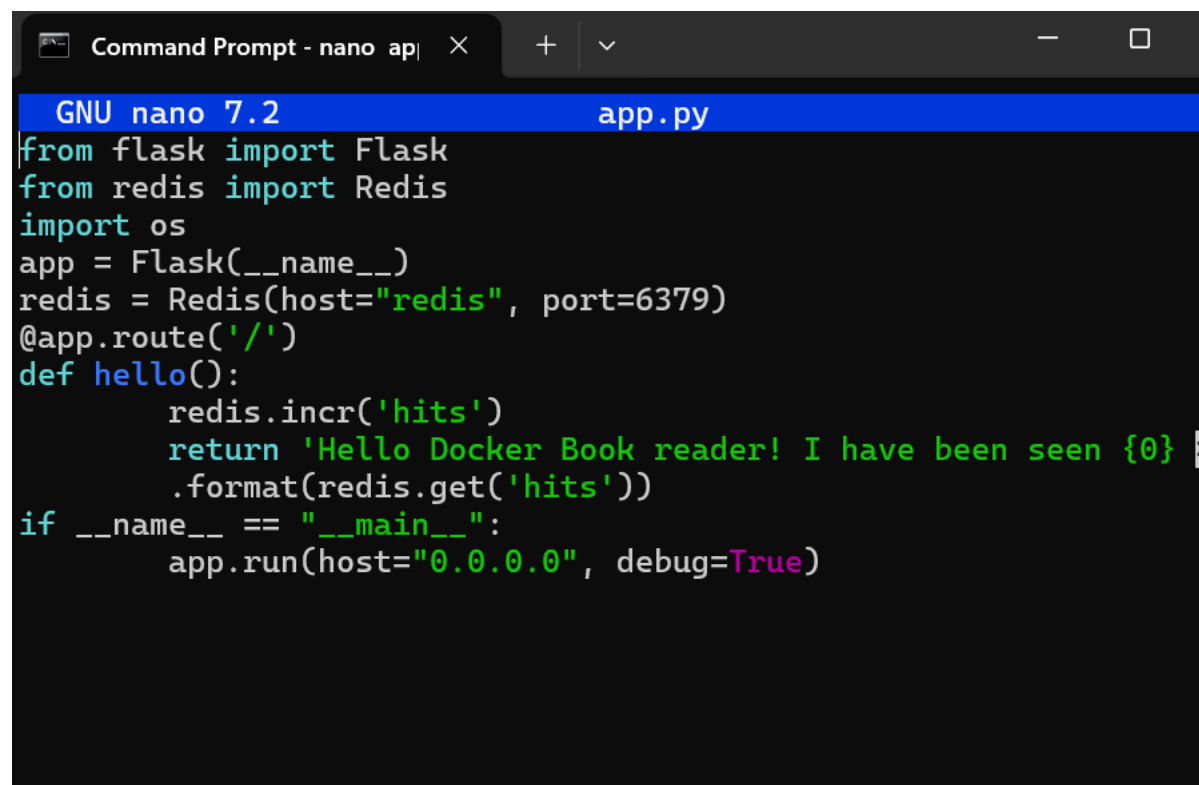
Command Prompt - nano ap

```
GNU nano 7.2                          app.py
from flask import Flask
from redis import Redis
import os
app = Flask(__name__)
redis = Redis(host="redis", port=6379)
@app.route('/')
def hello():
        redis.incr('hits')
        return 'Hello Docker Book reader! I have been seen {0}
        .format(redis.get('hits'))
if __name__ == "__main__":
        app.run(host="0.0.0.0", debug=True)
```

Command Prompt - nano req ✕ + ⌄   —

```
  GNU nano 7.2                requirements.txt
flask
redis
```

Command Prompt - nano Do ✕ + ⌄   — ☐ ✕

```
  GNU nano 7.2                    Dockerfile
FROM python:2.7
LABEL maintainer="james@example.com"
ENV REFRESEHED_ATT 2016-06-01

ADD . /composeapp
WORKDIR /composeapp
RUN pip install -r requirements.txt
```

```
ubuntu:~/composeapp$ docker build -t jamtur01/composeapp .
DEPRECATED: The legacy builder is deprecated and will be removed in a future relea
se.
            Install the buildx component to build images with BuildKit:
            https://docs.docker.com/go/buildx/

Sending build context to Docker daemon  4.096kB
Step 1/6 : FROM python:2.7
2.7: Pulling from library/python
7e2b2a5af8f6: Pull complete
09b6f03ffac4: Pull complete
dc3f0c679f0f: Pull complete
fd4b47407fc3: Pull complete
b32f6bf7d96d: Pull complete
6f4489a7e4cf: Pull complete
af4b99ad9ef0: Pull complete
39db0bc48c26: Pull complete
acb4a89489fc: Pull complete
Digest: sha256:cfa62318c459b1fde9e0841c619906d15ada5910d625176e24bf692cf8a2601d
Status: Downloaded newer image for python:2.7
 ---> 68e7be49c28c
```

```
buntu:~/composeapp$ touch docker-compose.yml
buntu:~/composeapp$ nano docker-compose.yml
buntu:~/composeapp$ docker run -d -p 5000:5000  -v .:/composeapp --name jamtur01/
omposeapp python app.py
nable to find image 'python:latest' locally
atest: Pulling from library/python
cd785773db4: Extracting  48.47MB/48.47MB
91eb8249475: Download complete
55774e0027b: Download complete
53e14e5cc47: Download complete
0847531e23d: Download complete
f0b544b1a82: Download complete
79f06e37dbb: Download complete
```

```
ubuntu:~/composeapp$ docker-compose up -d
Starting composeapp_web_1   ... done
Starting composeapp_redis_1 ... done
```

```
Stopping composeapp_redis_1 ... done
 ubuntu:~/composeapp$
ubuntu:~/composeapp$ docker-compose up -d
Starting composeapp_web_1   ... done
Starting composeapp_redis_1 ... done
ubuntu:~/composeapp$ docker-compose ps
     Name                    Command              State      Ports
-------------------------------------------------------------------------
composeapp_redis_1   docker-entrypoint.sh redis ...   Up      6379/tcp
composeapp_web_1     python app.py                    Exit 1
ubuntu:~/composeapp$ docker-compose logs
Attaching to composeapp_redis_1, composeapp_web_1
redis_1  | 1:C 24 Mar 2025 21:13:05.775 # WARNING Memory overcommit must be enable
d! Without it, a background save or replication may fail under low memory conditio
n. Being disabled, it can also cause failures without low memory condition, see ht
tps://github.com/jemalloc/jemalloc/issues/1328. To fix this issue add 'vm.overcomm
it_memory = 1' to /etc/sysctl.conf and then reboot or run the command 'sysctl vm.o
vercommit_memory=1' for this to take effect.
redis_1  | 1:C 24 Mar 2025 21:13:05.776 * oO0OoO00oO00Oo Redis is starting oO00oO0C
oO0OOo
redis_1  | 1:C 24 Mar 2025 21:13:05.776 * Redis version=7.4.2, bits=64, commit=000
00000, modified=0, pid=1, just started
redis_1  | 1:C 24 Mar 2025 21:13:05.776 # Warning: no config file specified, using
 the default config. In order to specify a config file use redis-server /path/to/r
edis.conf
redis_1  | 1:M 24 Mar 2025 21:13:05.776 * monotonic clock: POSIX clock_gettime
```

```
ubuntu:~/composeapp$ docker-compose stop
Stopping composeapp_redis_1 ... done
ubuntu:~/composeapp$ docker-compose ps
       Name                    Command                State      Ports
---------------------------------------------------------------------
composeapp_redis_1    docker-entrypoint.sh redis ...   Exit 0
composeapp_web_1      python app.py                    Exit 1
ubuntu:~/composeapp$ 
```