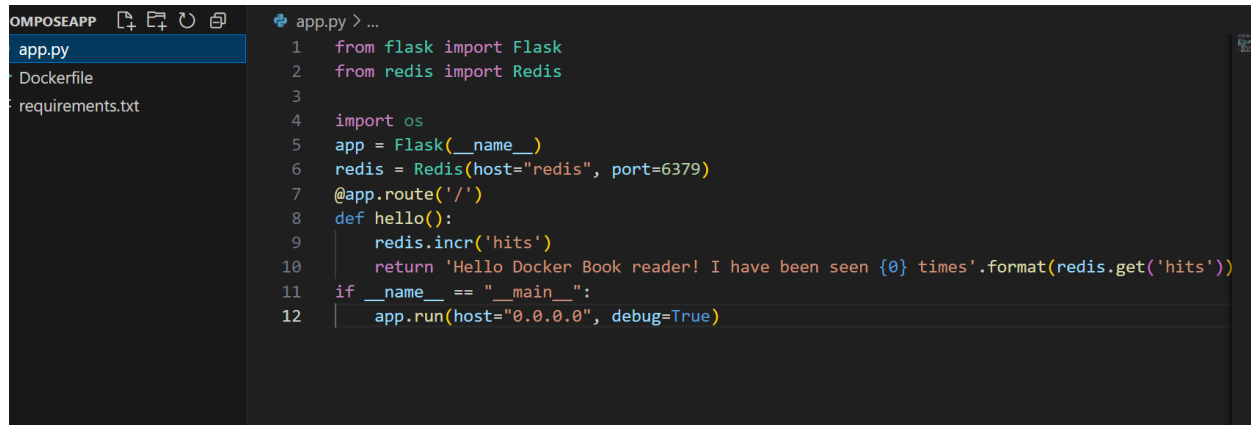


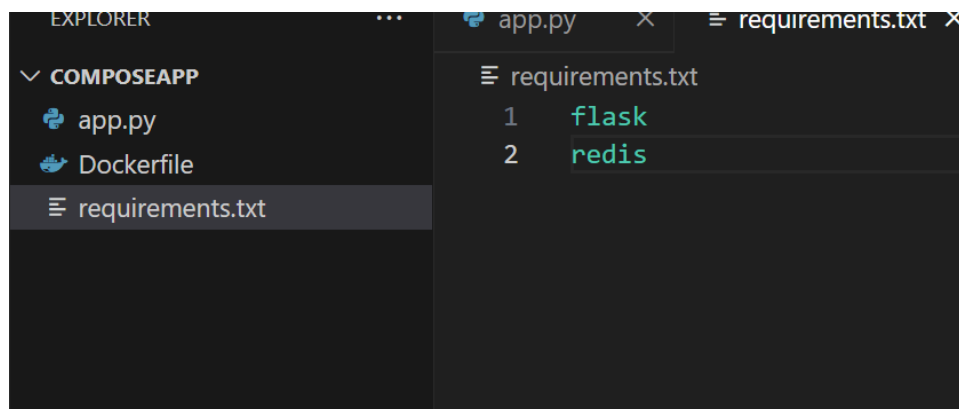
Домашна 3

Кристијан Крстевски 223162

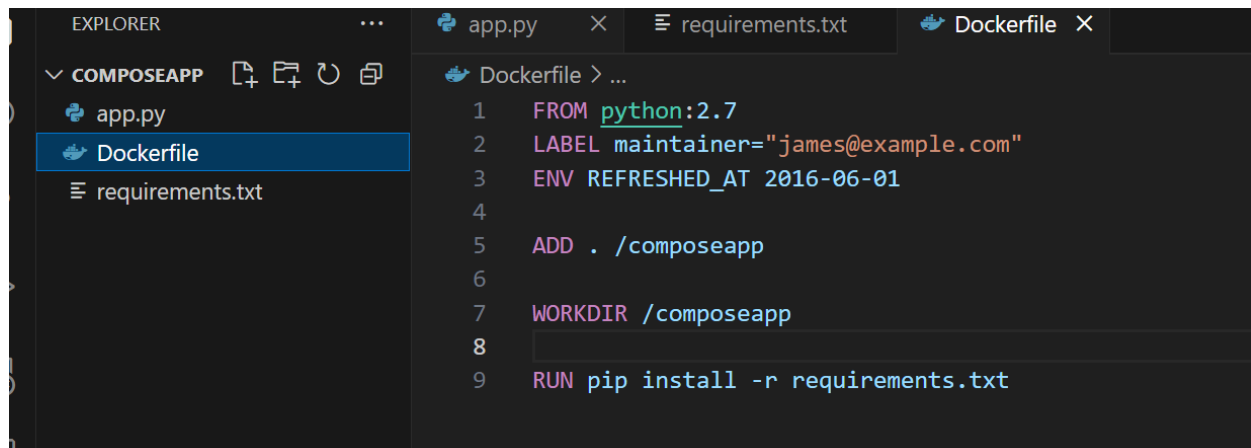
```
PS C:\Users\Kristijan> docker-compose version
Docker Compose version v2.26.1-desktop.1
PS C:\Users\Kristijan>
```

A screenshot of the Visual Studio Code editor. The Explorer sidebar on the left shows a project named 'COMPOSEAPP' with files 'app.py', 'Dockerfile', and 'requirements.txt'. The 'app.py' file is open in the main editor. The code in 'app.py' is as follows:

```
1 from flask import Flask
2 from redis import Redis
3
4 import os
5 app = Flask(__name__)
6 redis = Redis(host="redis", port=6379)
7 @app.route('/')
8 def hello():
9     redis.incr('hits')
10    return 'Hello Docker Book reader! I have been seen {0} times'.format(redis.get('hits'))
11 if __name__ == "__main__":
12    app.run(host="0.0.0.0", debug=True)
```

A screenshot of the Visual Studio Code editor. The Explorer sidebar on the left shows the 'COMPOSEAPP' project with 'app.py', 'Dockerfile', and 'requirements.txt'. The 'requirements.txt' file is open in the main editor. The code in 'requirements.txt' is as follows:

```
1 flask
2 redis
```

A screenshot of the Visual Studio Code editor. The Explorer sidebar on the left shows the 'COMPOSEAPP' project with 'app.py', 'Dockerfile', and 'requirements.txt'. The 'Dockerfile' file is open in the main editor. The code in 'Dockerfile' is as follows:

```
1 FROM python:2.7
2 LABEL maintainer="james@example.com"
3 ENV REFRESHED_AT 2016-06-01
4
5 ADD . /composeapp
6
7 WORKDIR /composeapp
8
9 RUN pip install -r requirements.txt
```

```
E:\finki\kiii\composeapp>docker build -t jamtur01/composeapp . [+] Building 0.0s (0/0) docker:default
2025/03/23 21:25:46 http2: server: error reading preface from client //./pipe/docker_engine: file has
already been close[+] Building 1.2s (9/9) FINISHED docker:default => [internal] load build definition from
Dockerfile 0.0s => => transferring dockerfile: 204B 0.0s => [internal] load metadata for
docker.io/library/python:2.7 0.8s => [internal] load .dockerignore 0.1s => => transferring context: 2B
0.0s => [internal] load build context 0.1s => => transferring context: 93B 0.0s => [1/4] FROM
docker.io/library/python:2.7@sha256:cfa62318c459b1fde9e0841c619906d15ada5910d625176e24bf69
2cf8a260 0.0s => CACHED [2/4] ADD . /composeapp 0.0s => CACHED [3/4] WORKDIR /composeapp 0.0s
=> CACHED [4/4] RUN pip install -r requirements.txt 0.0s => exporting to image 0.0s => => exporting
layers 0.0s => => writing image
sha256:a99b2c2cbf1b304abff091e8057bda3cfd45ad5c623faa8525d19de95ae8933b 0.0s => => naming
to docker.io/jamtur01/composeapp 0.0s View build details: docker-
desktop://dashboard/build/default/default/nybdxq4jq9ggokmtti6pefyq0 What's Next? View a summary
of image vulnerabilities and recommendations → docker scout quickview
```

```
E:\finki>docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
jamtur01/composeapp	latest	a99b2c2cbf1b	9 minutes ago	907MB

EXPLORER

COMPOSEAPP

app.py

docker-compose.yml

Dockerfile

requirements.txt

app.py

requirements.txt

Dockerfile

docker-compose.yml

```

1  version: '3'
2  services:
3    web:
4      build: /home/james/composeapp
5      image: jamtur01/composeapp
6      command: python app.py
7      ports:
8        - "5000:5000"
9      volumes:
10     - ./composeapp
11     redis:
12       image: redis

```

```
PS E:\finki\kiii\composeapp> docker run -d -p 5000:5000 -v ../composeapp --name composeapp jamtur01/composeapp python ap
p.py
1cee726b951bd05d971c42d15f1525cb8d30d5214cbfeaa5e6f5f62f828f904a
PS E:\finki\kiii\composeapp>
```

Container	Image	Status	Ports	CPU	Memory	Time	Actions
compose	jamtur01/compo	Running	5000:5000	0.27%	2 minutes ago		

Container	Image	Status	Ports	CPU	Memory	Time	Actions
compose	jamtur01/compo	Running (1/2)		0.19%	3 minutes ago		
web-1	jamtur01/compo	Created (128)	5001:5000	0%			
redis-1	redis	Running		0.19%	3 minutes ago		

Showing 14 items

```
PS E:\finki\kiii\composeapp> docker-compose up --build
time="2025-03-23T22:23:46+01:00" level=warning msg="E:\\finki\\kiii\\composeapp\\docker-compose.yml: 'version' is obsolete"
[+] Running 1/2
 ✓ Network composeapp_default Created 0.0s
 - Container composeapp-redis-1 Created 0.1s
 - Container composeapp-web-1 Created 0.1s
Attaching to redis-1, web-1
redis-1 | 1:C 23 Mar 2025 21:23:46.940 * o000o000o000o Redis is starting o000o000o000o
redis-1 | 1:C 23 Mar 2025 21:23:46.940 * Redis version=7.4.2, bits=64, commit=00000000, modified=0, pid=1, just started
redis-1 | 1:C 23 Mar 2025 21:23:46.940 # Warning: no config file specified, using the default config. In order to specify a co
fig file use redis-server /path/to/redis.conf
redis-1 | 1:M 23 Mar 2025 21:23:46.940 * monotonic clock: POSIX clock_gettime
redis-1 | 1:M 23 Mar 2025 21:23:46.941 * Running mode=standalone, port=6379.
redis-1 | 1:M 23 Mar 2025 21:23:46.941 * Server initialized
redis-1 | 1:M 23 Mar 2025 21:23:46.941 * Ready to accept connections tcp
web-1 exited with code 0
```

```
PS E:\finki\kiii\composeapp> docker-compose ps
time="2025-03-23T22:30:50+01:00" level=warning msg="E:\\finki\\kiii\\composeapp\\docker-compo
NAME IMAGE COMMAND SERVICE CREATED STATUS
composeapp-redis-1 redis "docker-entrypoint.s..." redis 7 minutes ago Up 1 second
PS E:\finki\kiii\composeapp>
```

```
PS E:\finki\kiii\composeapp> docker-compose logs
time="2025-03-23T22:31:24+01:00" level=warning msg="E:\\finki\\kiii\\composeapp\\docker-compo
redis-1 | 1:C 23 Mar 2025 21:23:46.940 * o000o000o000o Redis is starting o000o000o000o
redis-1 | 1:C 23 Mar 2025 21:23:46.940 * Redis version=7.4.2, bits=64, commit=00000000, modi
redis-1 | 1:C 23 Mar 2025 21:23:46.940 # Warning: no config file specified, using the default
fig file use redis-server /path/to/redis.conf
redis-1 | 1:M 23 Mar 2025 21:23:46.940 * monotonic clock: POSIX clock_gettime
redis-1 | 1:M 23 Mar 2025 21:23:46.941 * Running mode=standalone, port=6379.
redis-1 | 1:M 23 Mar 2025 21:23:46.941 * Server initialized
redis-1 | 1:M 23 Mar 2025 21:23:46.941 * Ready to accept connections tcp
redis-1 | 1:signal-handler (1742765151) Received SIGTERM scheduling shutdown...
redis-1 | 1:M 23 Mar 2025 21:25:51.245 * User requested shutdown...
redis-1 | 1:M 23 Mar 2025 21:25:51.245 * Saving the final RDB snapshot before exiting.
redis-1 | 1:M 23 Mar 2025 21:25:51.251 * DB saved on disk
redis-1 | 1:M 23 Mar 2025 21:25:51.251 # Redis is now ready to exit, bye bye...
redis-1 | 1:C 23 Mar 2025 21:25:59.978 * o000o000o000o Redis is starting o000o000o000o
redis-1 | 1:C 23 Mar 2025 21:25:59.978 * Redis version=7.4.2, bits=64, commit=00000000, modi
redis-1 | 1:C 23 Mar 2025 21:25:59.978 # Warning: no config file specified, using the default
fig file use redis-server /path/to/redis.conf
```

```
PS E:\finki\kiii\composeapp> docker-compose stop
time="2025-03-23T22:31:53+01:00" level=warning msg="E:\\finki\\kiii\\composeapp\\docker-compose.yml: 'version' is obsolete"
[+] Stopping 2/2
  ✓ Container composeapp-web-1    Stopped      0.0s
  ✓ Container composeapp-redis-1  Stopped      0.4s
PS E:\finki\kiii\composeapp> |
```

```
PS E:\finki\kiii\composeapp> docker-compose stop
time="2025-03-23T22:31:53+01:00" level=warning msg="E:\\finki\\kiii\\composeapp\\docker-compose.yml: 'version' is obsolete"
[+] Stopping 2/2
  ✓ Container composeapp-web-1    Stopped      0.0s
  ✓ Container composeapp-redis-1  Stopped      0.4s
PS E:\finki\kiii\composeapp> docker-compose rm
? Going to remove composeapp-web-1, composeapp-redis-1 Yes
[+] Removing 2/0e composeapp-web-1, composeapp-redis-1 (y/N) y
  ✓ Container composeapp-redis-1  Removed      0.0s
  ✓ Container composeapp-web-1    Removed      0.0s
```