Cloud Computing Practical 1 Exercise 2

Dawid Skraba 19433692

Exercise 2.

Task 1:

```
docker-compose.yml
   services:
      - "8000:5000"
     environment:
      - FLASK_APP=app.py
- FLASK_RUN_HOST=0.0.0.0
       mynet
     - myvol:/home/app
    image: "redis:alpine"
     mynet
dawidskraba@dhcp-892b01ac Exersize2 % docker compose up -d
[+] Running 3/3
 # Network exersize2_mynet
                                    Created
 Started
 # Container exersize2-redis-1 Started
```

Above you can see that I made a network called "mynet" and I added both containers to this network, so that they could communicate with each other.

I also created a volume called "myvol" which I attached to the web service so data is not lost when the application is shut down.

I have moved over the environment variables and the command lines to the docker compose files.

Here I show how the volume works:

First I open the application and show it works.



Hello World! I have been seen 17 times.

Then I shut down the application and show its down using the docker ps command.



When I restart the application the counter is saved from when I quit and it added one more enrty as I opened the web page.



Hello World! I have been seen 18 times.

So all works as intended.