COMP.SE.140 – Docker-compose hands on

Explanation why the addresses and port-numbers are like they are. (We want to ensure that you understand how your program works).

Following figure shows the ports and addresses returned.

```
Hello from 172.24.0.1:33320
to 172.24.0.3:12345
Hello from 172.24.0.3:44670
to 172.24.0.2:12346
```

Figure 1:output of the call to localhost:8001

Address number 172.24.0.x is a private IP address used inside a local area network.

172.24.0.1 is the address where I made the call to localhost:8001 and 33320 is the port given to me in that moment.

172.24.0.3 is the address where the Service1 is assigned to be hosted and 12345 is the port it is determined to run in. The 44670 is a port given in that moment when the request was sent from Service1 to Service2.

172.24.0.2 is the address where the Service2 is assigned to be hosted and 12346 is the port it is determined to run in.

Output of "docker container ls" and "docker network ls" (executed when the services are up and running.
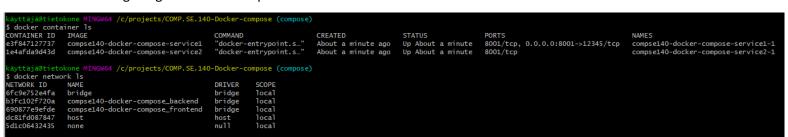
Following image shows the output of these commands.

Figure 2: Required command line outputs