Assessment Explanation

1. The resulting IP address structure is
   ::ffff:172.27.0.1 : 59910
   ::ffff:172.27.0.2 : 8001
   ::ffff:172.27.0.2 : 49002
   ::ffff:172.27.0.3 : 4000

The prefix ::ffff: is a subnet prefix for ipv4 that is placed inside ipv6.
::ffff: can actually be translated to 0000:0000:ffff:0000.
59910 refers to the port where the node process for server one is running whereas 8001 refers to the port where our application is listening.
The bottom two IPs and ports refer to the IP address and port where node process two and server two are running respectively.

2. The output of docker container ls

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
3aff4fb85314 ex4_server1 "docker-entrypoint.s…" 13 minutes ago Up 3 seconds 0.0.0.0:8001->8001/tcp, :::8001->8001/tcp service-1
5e57819f7330 ex4_server2 "docker-entrypoint.s…" 13 minutes ago Up 3 seconds 4000/tcp service-2

3. The output of docker network ls

NETWORK ID NAME DRIVER SCOPE
362447eb2fe2 bridge bridge local
ad09e8ab0f43 ecommerce-api-gebeya_default bridge local
52db516c917c ex4_default bridge local
9a9037e175e6 foodtrucks_default bridge local
c12a8592e531 host host local
53733a780150 none null local