**LAB 6 – Virtualization**

Q1 - `docker network ls` - How many networks do you see in your environment? Briefly, explain their purpose.

A1 – I see 3 networks configured by default in my environment which are –

1. Bridge –This is used to make connection to the outside internet (www/external networks)
2. Host – This is used to make connection to the host(host-to-container), for managing and other tasks.
3. None –This network is used to keep the network private, used to secure the environment from any outside threats or access.

Q2 - What is the Docker bridge interface called and state its IP address?

A2 – Docker bridge interface is called `docker0` and its ip is 172.17.0.1

Q3 - What Docker network this container lives in? How were you able to identify?

A3 – This container lives in `bridge` network inside docker. We can identify from `NetworkSettings.Networks.bridge` parameter in docker inspect.

Gateway: 172.17.0.1

IPAddress: 172.17.0.2

Mac Address: 02:42:ac:11:00:02

Ports: 80

Network ID: a0e72da0c990667c016691be833e4bfbdd192aca21e829f7ed111d759a199ed6

Q4 – Were you able to ping the webserver2?

A4 – Yes

Q5 -