Exercise 4

Container Networking

Q1.

Check all currently available networks.

Q2.

Create a new network named "production".

Create another new network named "development".

Create another new network named "deployment".

Connect the already running container "container3" to network "production".

Q3.

Connect a new container "container4" with network "development".

Also bind the port 80 of the container with port 8082 of the host machine.

Check if port binding was successful or not.

Remove all the networks which are unused by any container.

Q4.

Inspect the "production" network.

Delete the "production" network.

Solutions

Q1.

```
[root@localhost ~]# podman network ls
NETWORK ID NAME DRIVER
2f259bab93aa podman bridge
[root@localhost ~]# [
```

Q2.

```
[root@localhost ~]# podman network create production
production
[root@localhost ~]# podman network create development
development
[root@localhost ~]# podman network create deployment
deployment
[root@localhost ~]# podman network ls
NETWORK ID NAME
                          DRIVER
593fd3c1768a deployment
                          bridge
c2f306c9302b development
                          bridge
2f259bab93aa podman
                          bridge
fb4191651689 production
                          bridge
[root@localhost ~]#
```

[root@localhost ~]# podman network connect production container3

```
[root@localhost ~]# podman network ls
NETWORK ID
             NAME
                           DRIVER
593fd3c1768a deployment
                           bridge
c2f306c9302b development
                           bridge
865b411f9b56 example
                           bridge
2f259bab93aa podman
                           bridge
[root@localhost ~]# podman network prune
WARNING! This will remove all networks not used by at least one container.
Are you sure you want to continue? [y/N] y
deployment
development
example
[root@localhost ~]#
```

Q4.

[root@localhost ~]# podman network rm -f production
production
[root@localhost ~]# podman network ls
NETWORK ID NAME DRIVER
593fd3c1768a deployment bridge
c2f306c9302b development bridge
2f259bab93aa podman bridge
[root@localhost ~]#