**Experiment -4**

**Name- Abhishek Singh**

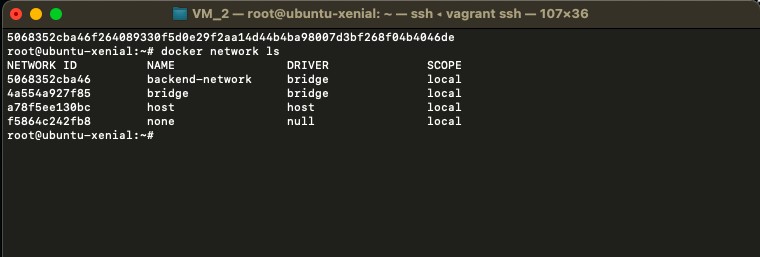
**Roll No. R171218120**

**SAP ID – 500067726**

**Subject- Application Containerization**

Aim: *Creating Networks Between Containers using Networks*

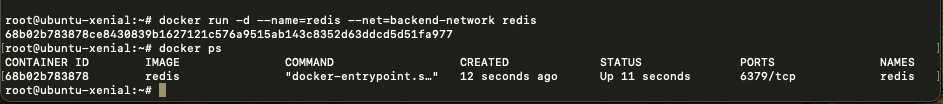
## To start with we create the network with our predefined name.



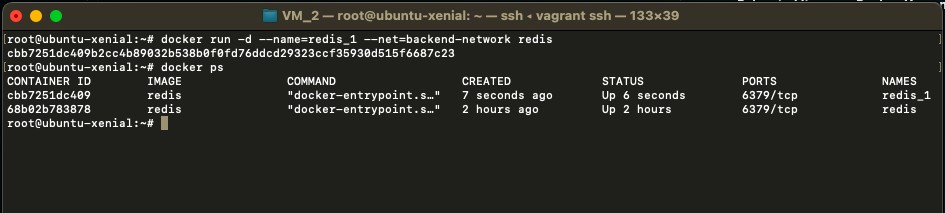
$ docker network create backend-network

## When we launch new containers, we can use the “***--net****”* attribute to assign which network they should be connected to.

$ docker run -d --name=redis --net=backend-network redis

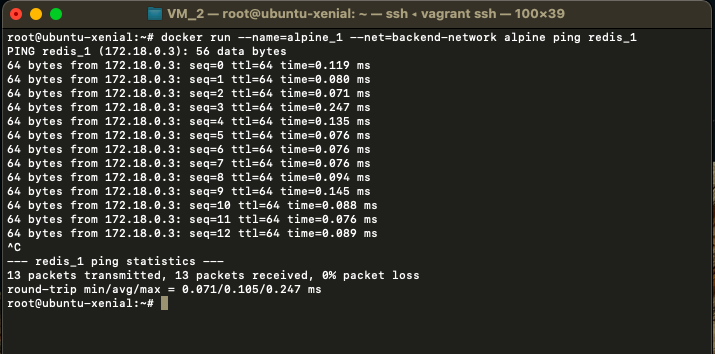


* Create another redis container with name “***redis\_1***” under the “***backend-network***” network.



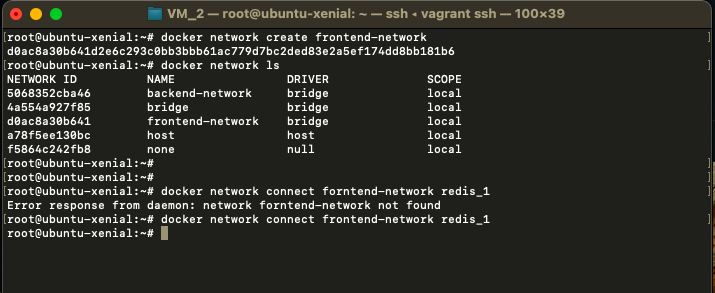
$ docker run -d --name=redis\_1 --net=backend-network redis

* Now ping the redis (***redis\_1***) container from the newly created alpine (***alpine\_1***) container with in the same network (***backend-network***).

$ docker run –-name=alpine\_1 --net=backend-network alpine ping redis\_1

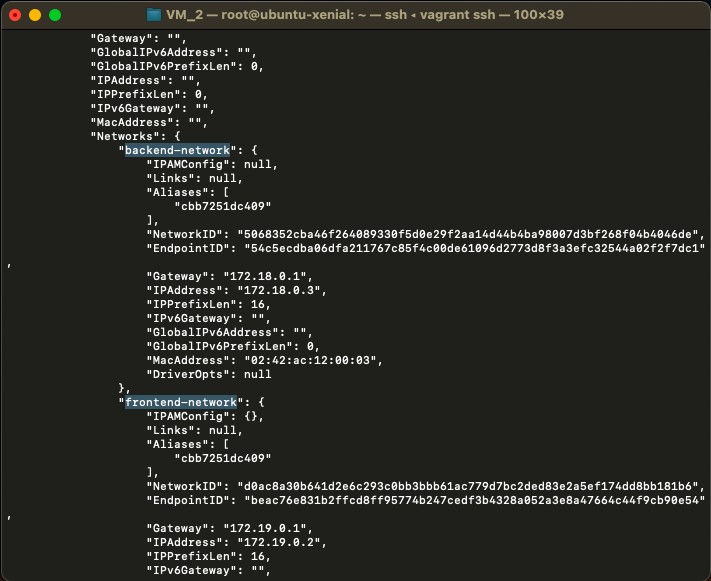
### Create another network (frontend-network) and connect the redis (***redis\_1***) container with is network.

$ docker network connect frontend-network redis\_1



### Now inspect the “***redis\_1***” container to check the network connectivity.

$ docker inspect redis\_1



* Now disconnect the “***redis\_1***” container from the “***backend-network***” network.

$ docker network disconnect backend-network redis\_1

$ docker inspect redis\_1

