

1. Problem 1:

- Create bridge network with subnet 192.168.0.0/24.
- Run 2 containers and attach containers to this network.
- Create another bridge network with subnet 10.5.0.0/24.
- Run any container and attach it to the new network.
- Make sure that the containers at different network can't ping each other

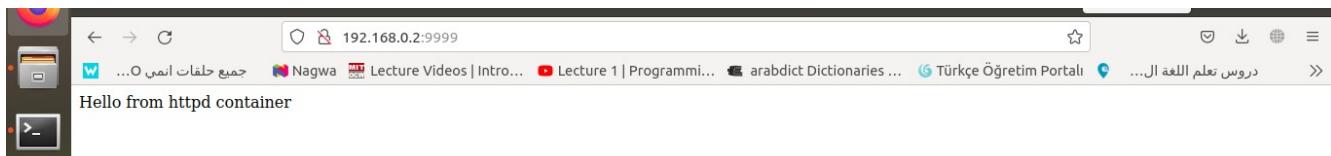
```
$ sudo docker network create --driver=bridge --subnet=192.168.0.0/24 mynet192
```

```
$ sudo docker run --name container1-mynet192 httpd:v1.0
```

```
$ sudo docker network connect mynet192 container1-mynet192
```

```
$ sudo docker run --name container2-mynet192 httpd:v1.0
```

```
$ sudo docker network connect mynet192 container2-mynet192
```



```
$ sudo docker network create --driver=bridge --subnet=10.5.0.0/24 mynet10
```

```
$ sudo docker run --name container1-mynet10 flask:v1.0
```

```
$ sudo docker network connect mynet10 container1-mynet10
```



```
Setting up connections...  
root@664f0a196527:/usr/local/apache2# ping 10.5.0.2  
PING 10.5.0.2 (10.5.0.2): 56 data bytes  
^C--- 10.5.0.2 ping statistics ---  
184 packets transmitted, 0 packets received, 100% packet loss  
root@664f0a196527:/usr/local/apache2#
```

2. Problem 2:

- Create a docker compose to up mysql container, node express app depend on mysqldb.
- Add volume for mysqldb
- Read enviroment variables from .env file