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

Solution:

```
[root@localhost mohamed]# docker network create first-net --driver=bridge --subnet=192.168.0.0/24
7/32313b474d2554fcd33e141f32ad78b96ae538d975159affb88355d2fcacf2
[root@localhost mohamed]# docker run-d --network=first-net nginx
University Pulling from library/pinx
025565f88b67: Already exists
ca9c7f45d396: Pull complete
e25b13a5f700: Pull complete
e35b13a5f700: Pull complete
e35b13a5f700: Pull complete
e45ad7118f592376f0818bdb71be4d89add5c67681e48168530a1702f38dd3d
[root@localhost mohamed]# docker run-d --network=first-net redis
Unable to find image 'redis:latest' locally
Unable to find image 'redis:latest' locally
Unable to find image 'redis:latest' locally
E35ad6910807: Already exists
e80e65aed679: Pull complete
e5509f7/cdes Pull complete
e5309f7/cdes Pull complete
e53ag78ac979: Pull complete
e53ag78ac979: Pull complete
e53ag78ac979: Pull complete
e53ag78ac979: Pull complete
e53ag78ac970: Pull complete
e53ag78a
```

```
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| Activities □ Terminal ▼ Dec 9 15:10
| Toot@localhost_Home/mohamed | Toot@localhost_Home/mohamed | Toot@localhost_mohamed | Toot@loc
```

```
X Home X Sprints Course
  root@localhost:/home/mohamed
   File Edit View Search Terminal Help
  [root@localhost mohamed]# docker ps
                                  # docker ps
COMMAND
"docker-entrypoint.s.."
"/docker-entrypoint..."
"httpd-foreground"
 CONTAINER ID IMAGE
2340d01a69da redis
                                                                      CREATED
                                                                                            STATUS
                                                                                                                               affectionate_chatterjee
xenodochial_poitras
                                                                     5 minutes ago
6 minutes ago
                                                                                           Up 5 minutes
Up 6 minutes
                   nginx
httpd
  e45ad7118f59
                                                                                                                80/tcp
 Ping 10.5.0.2 (10.5.0.2) 56(84) bytes of data.
                                                                                           Up 8 minutes
                                                                                                                80/tcp
                                                                                                                               quirky_lewin
```