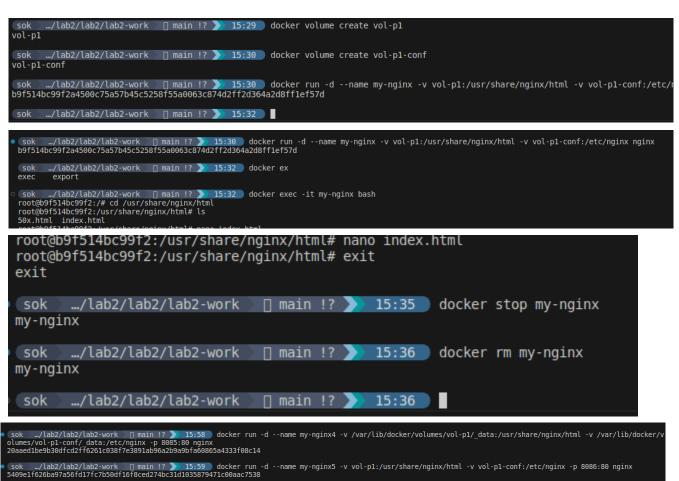
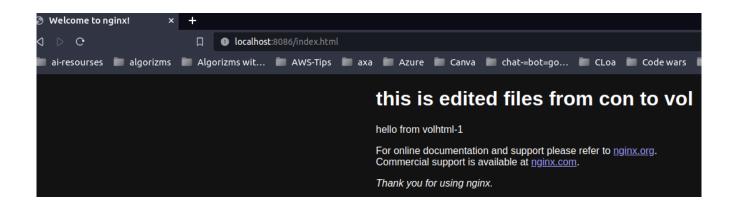
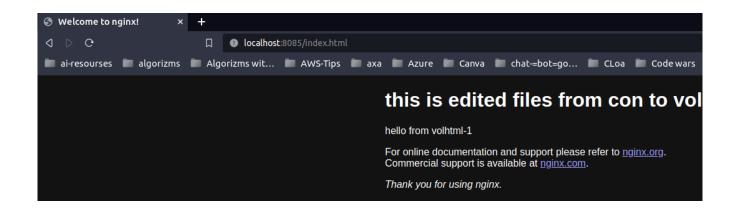
Problem 1:

- Run a container nginx with name my-nginx and attach 2 volumes to the container
- Volume1 for containing static html file
- Volume2 for containing nginx configuration
- Edit the html content
- Remove the container
- Run a new 2 containers with the following:
- •Attach the 2 volumes that was attached to the previous container in two different ways (volume mount bind mount)
- •Map port 80 to port 8080 on you host machine
- •Access the html files from your browser







Problem 2:

• Create 2 nginx containers with network type bridge, enter to one of them and use curl command to view the content of the othercontainer.

```
sok .../lab2/lab2/lab2-work [] main !? 14:23 docker network create my-network 1786870f8ee1f70a24c7385601f22aa934004a67d0425c5866e198186a9aba6d
```

```
"Containers": {
    "227b283631acf027393fb662e98b27565ab6b36cf3736d53807b58c3ca495b78": {
        "Name": "nginx2",
        "EndpointID": "462ced6822ale15caccc5e824f59b32a451720cac21ba4de879a607fb18
        "MacAddress": "02:42:ac:12:00:03",
        "IPv4Address": "172.18.0.3/16",
        "IPv6Address": ""
    },
    "6dd1e5dc32cb5ea67dde0081428530adf9f0a0db73689abd7da0ebf1d1c7f40c": {
        "Name": "nginx1",
        "EndpointID": "bb6f2d8a4eadedf619b8686e205454fa1ed62e956e7102fde7f87095f24
        "MacAddress": "02:42:ac:12:00:02",
        "IPv4Address": "172.18.0.2/16",
        "IPv6Address": ""
    }
},
```

Problem 3:

Run a container Nginx with name my-nginx and attach a volume for containing static html file

Remove the container

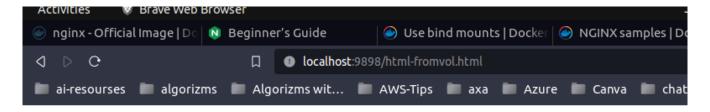
Run a new container with the following:

Attach the volume that was attached to the previous container

Map port 80 to port 9898 on you host machine

Access the html files from your browser





This is htnl file from htmlvol

Lorem ipsum dolor sit, amet consectetur adipisicing elit. Alias fugiat ipsa vi.

Problem 4:

Create docker compose with:
 Two services (nginx and mysql)
 Add needed ports and environments for both services
 Mysql service depends on nginx service

```
docker-compose.yml > {} services > {} mysql > [ ] depends_on > \stackrel{\text{def}}{=} 0
      docker-compose.yml - The Compose specification establishes a standard for th
      services:
        nginx:
           image: nginx:latest
           ports:
             - "8085:80"
           restart: always
        mysql:
           image: mysql:latest
           ports:
             - "8086:3306"
11
           restart: always
12
           environment:

    MYSQL ROOT PASSWORD=203040

             - MYSQL DATABASE=dbFromCompose
           depends on:
18
          - nginx
```