Tarek Mestrah 28-10-2022

Cloud Systems

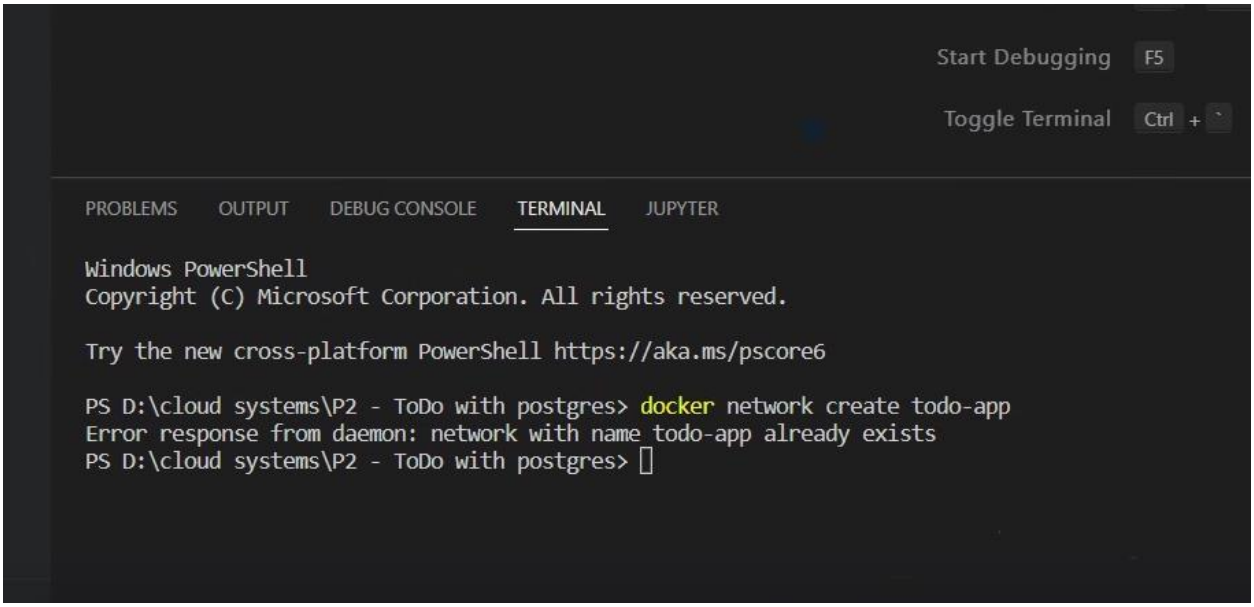
Homework 1

Multi container apps & Docker compose

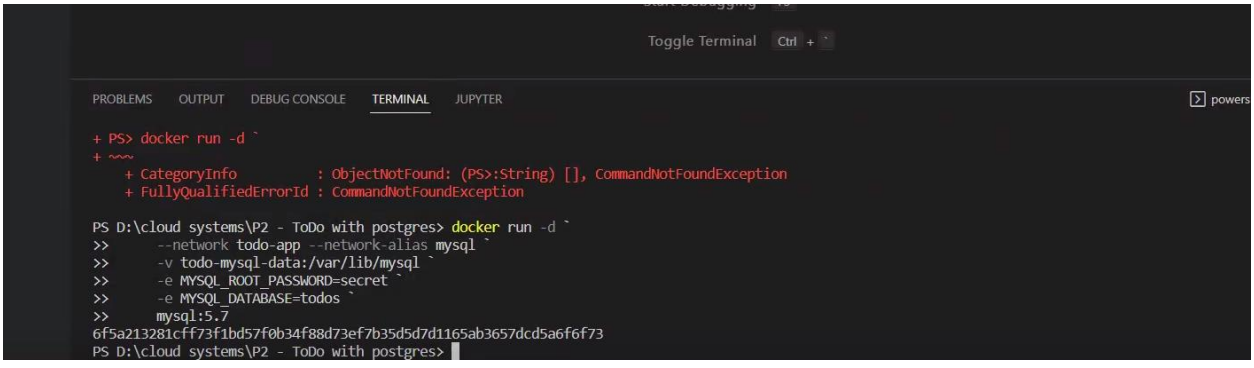
GitHub link is at the end of the report.

- **1st we need to put a container in a network in order to let one container talk with another.**

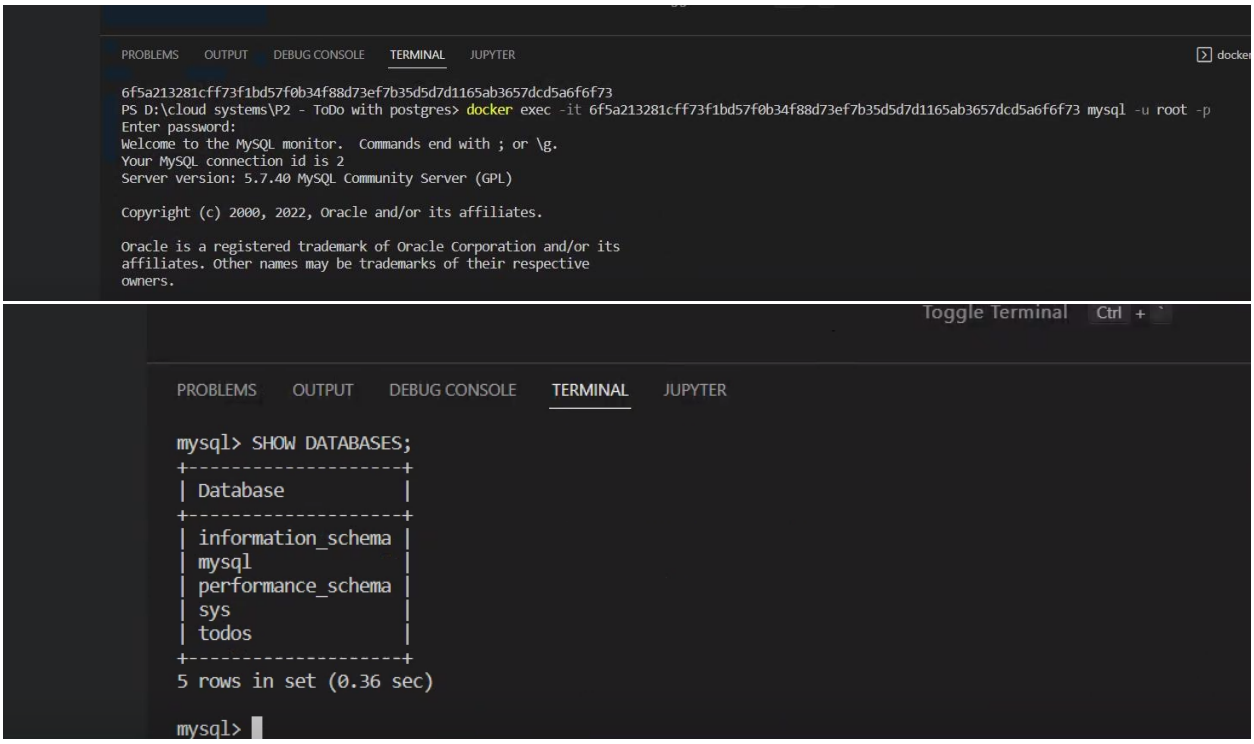
We do it as in the screenshot below. (I got the error response because I had to run it again later to take a screenshot, but it ran normally on the 1st time)



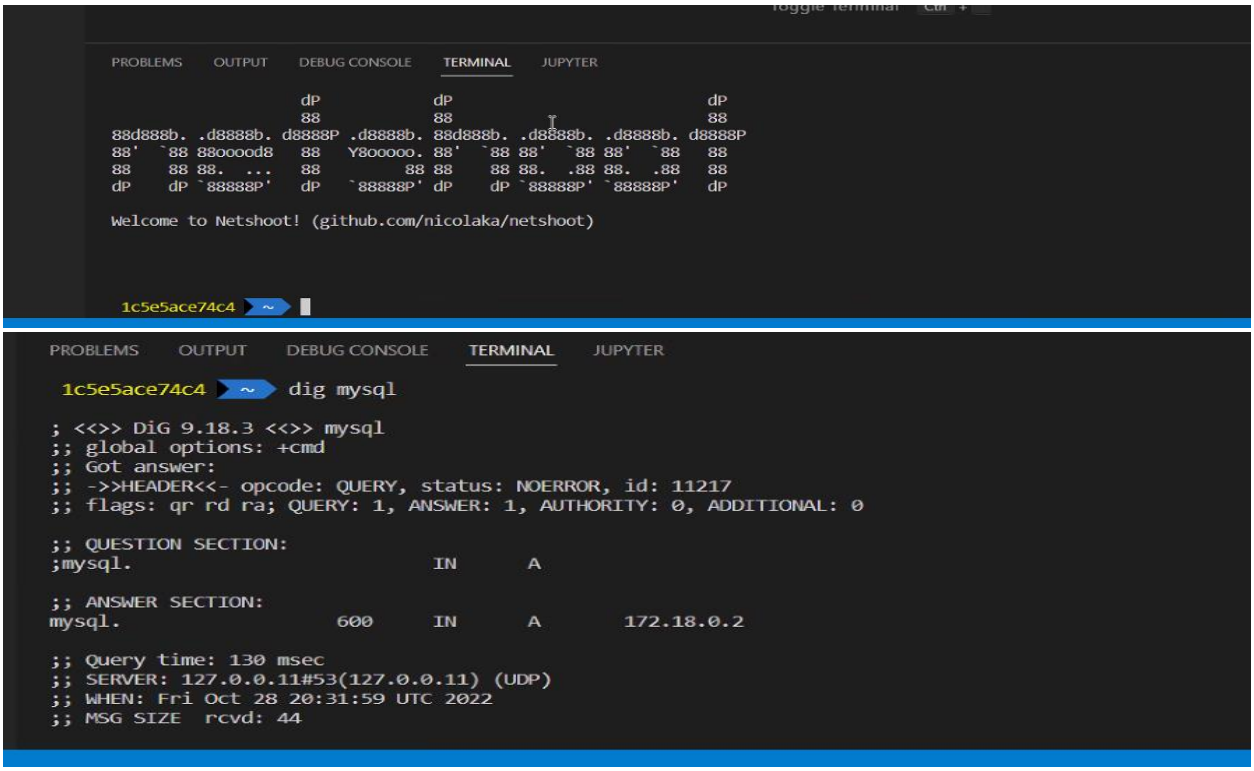
- **Now we start a MySQL container and attach it to the network:**



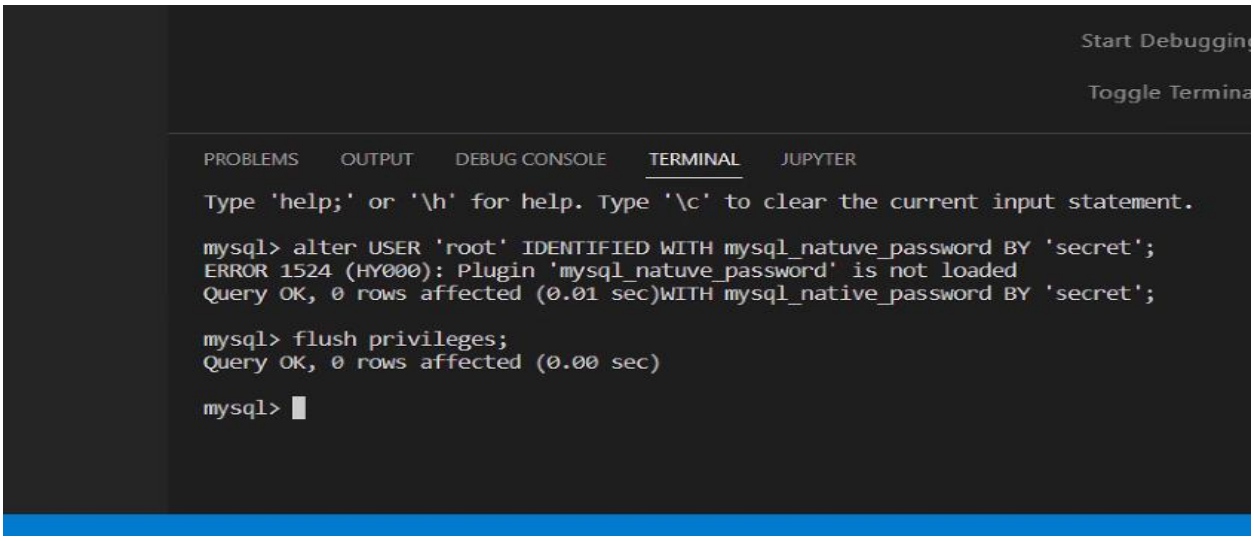
- **Confirming we have the database up and running:**

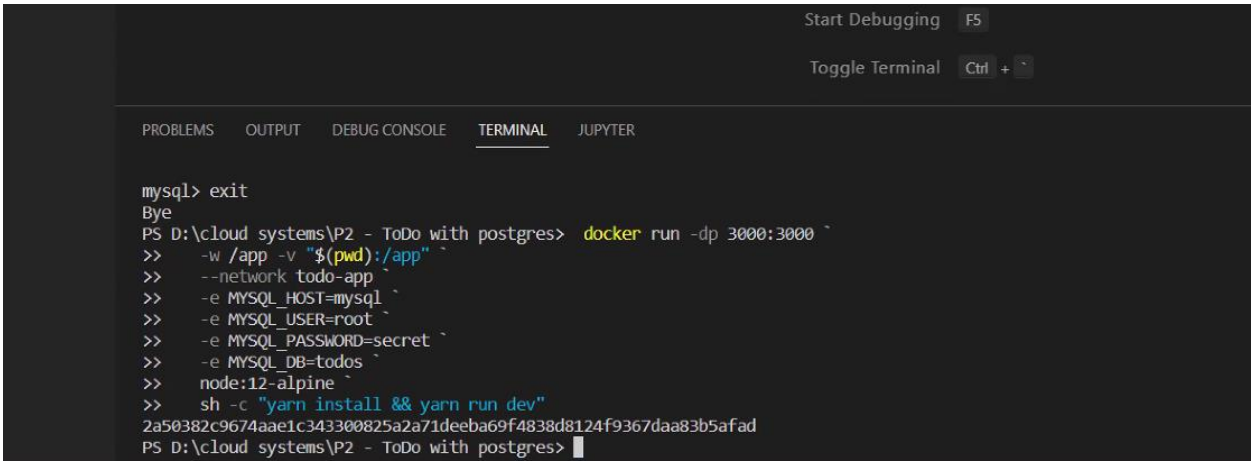


- **Starting a new container using the nicolaka/netshoot image.**

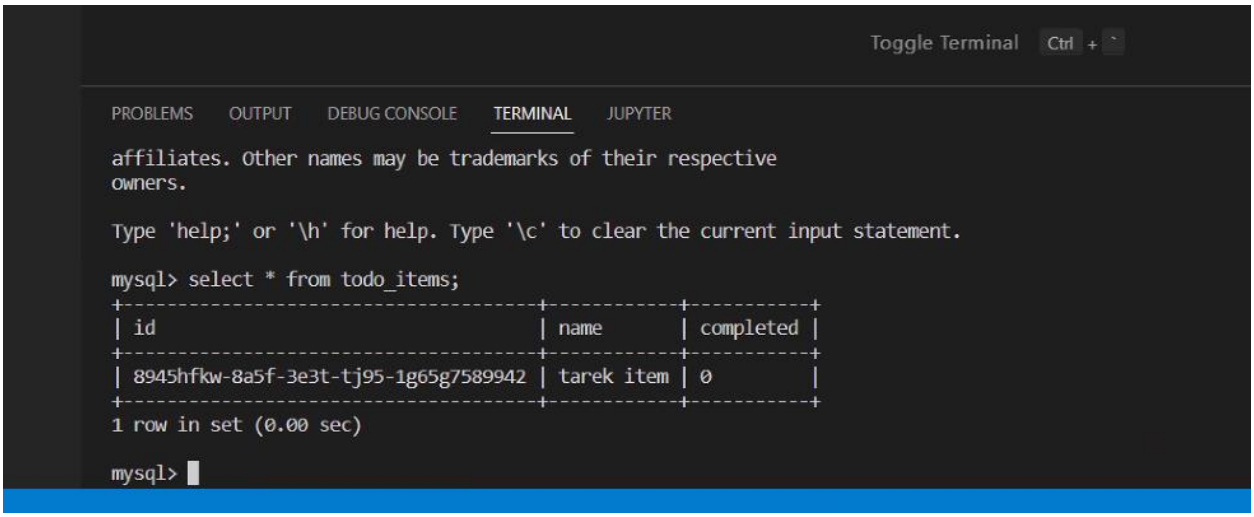


- **Configuring container & connecting the container to our app network:**

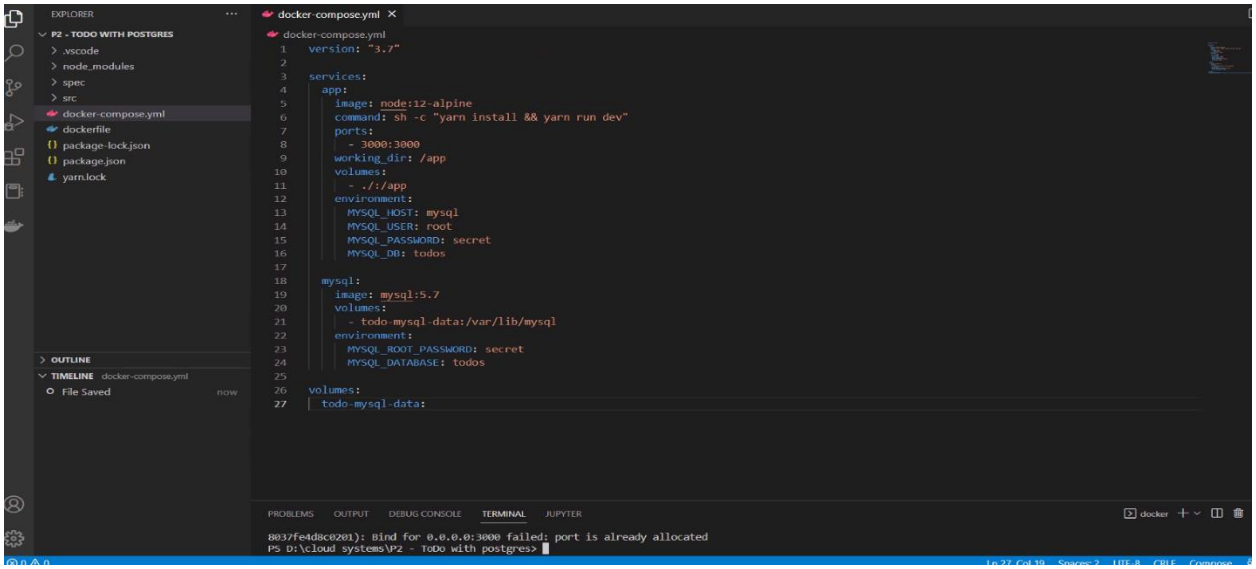




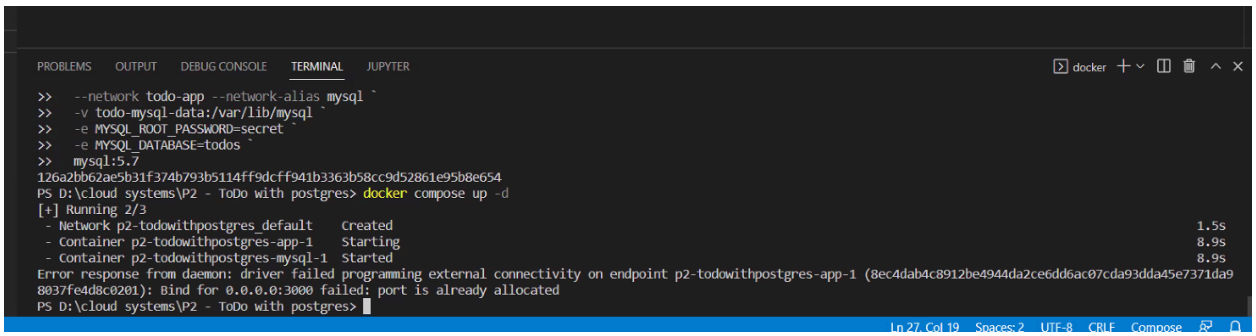
- **Added an item through the app in the browser and then checking it in MySQL:**



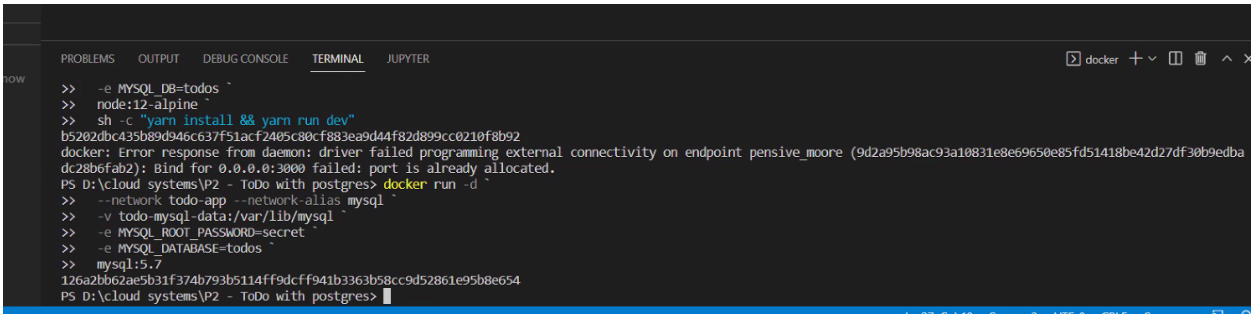
- Creating the docker compose file and filling it: (in the screenshot, you will see the final version of the file)



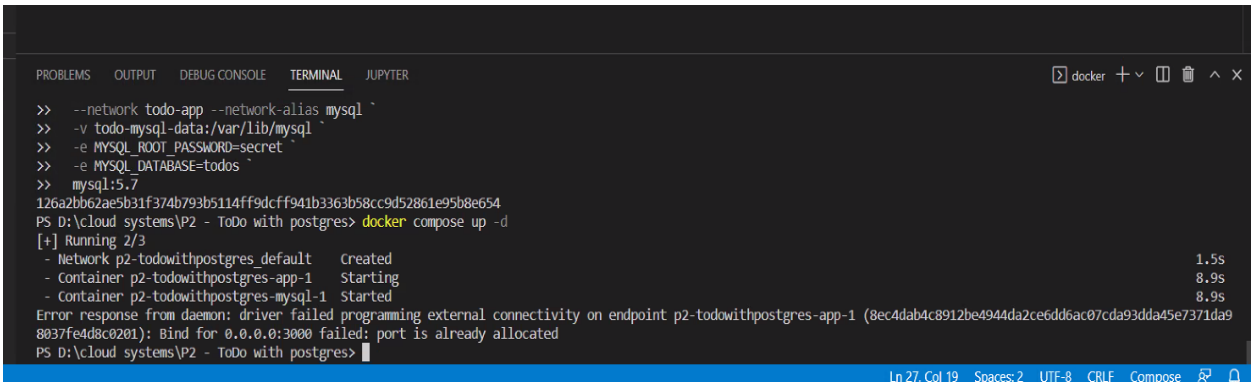
- Defining app service:



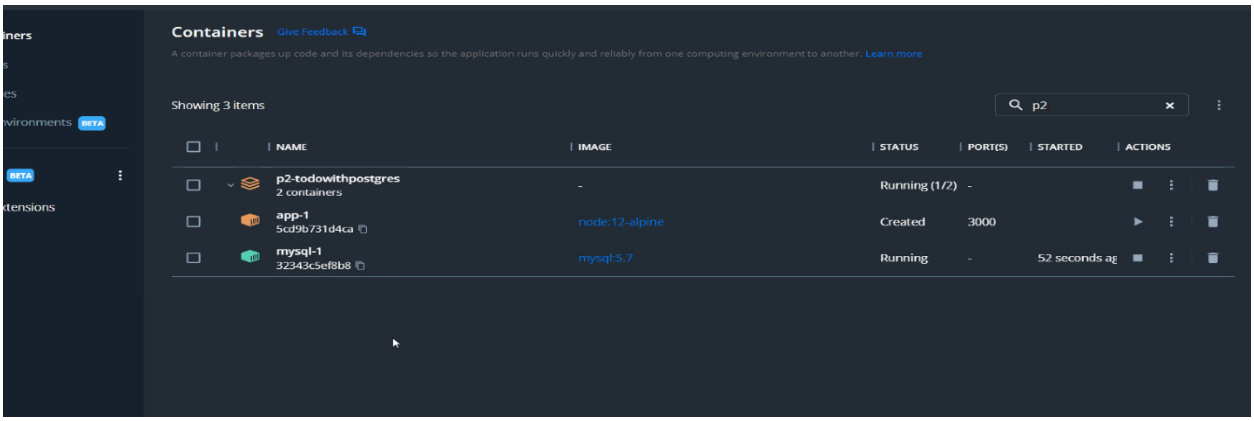
- **Defining the MySQL service:**



- **Starting the application stack:**



- App stack appear in Docker Dashboard:



So, in this homework, I learned how to setup milti container apps and how to use docker compose to define the app stack in 1 file.

- GitHub Link: https://github.com/TrX9/CloudSystemsHW1