**EXPERIMENT 6**

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**B4**

**AIM: Working with Docker Compose File to Control Multiple Containers**

**Steps to Complete:**

**Creating compose files**

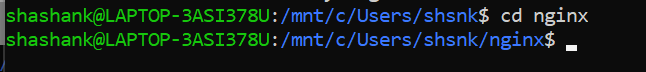
* Create a directory named nginx in your root.

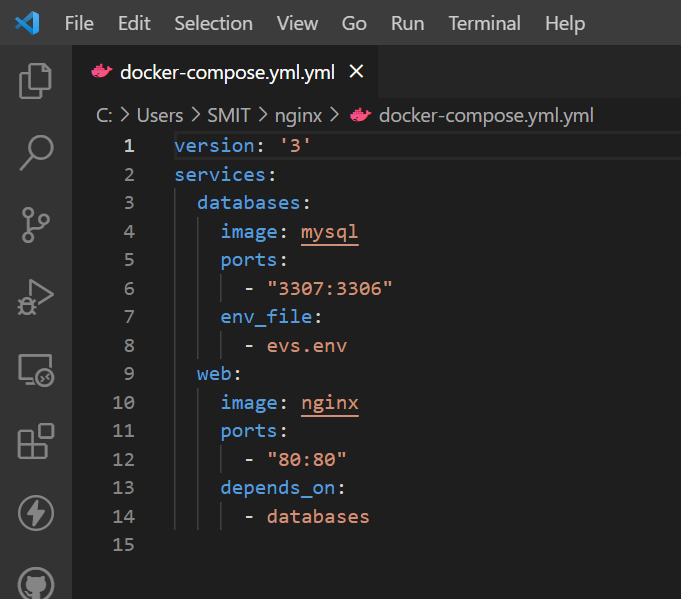
mkdir nginx



* Switch to that directory and create a file named docker-compose.yaml

cd nginx



vi docker-compose.yml  


* Use docker-compose version 2 to create docker-compose.yaml file.

Create a service named "databases". Use image named "mysql"

Map container 3306 port to host machine 3306 port.

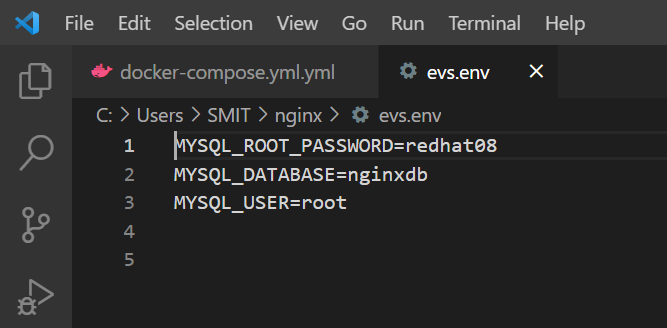
Add environment variables named "MYSQL\_ROOT\_PASSWORD", "MYSQL\_DATABASE", "MYSQL\_USER" and "MYSQL\_PASSWORD" along with corresponding values for all.

cat evs.env

MYSQL\_ROOT\_PASSWORD=redhat08

MYSQL\_DATABASE=nginxdb

MYSQL\_USER=root

  
  
 Add another service named "web"

Use image "nginx"

cat docker-compose.yml

version: '3'

services:

databases:

image: mysql

ports:

- "3307:3306"

env\_file:

- evs.env

web:

image: nginx

ports:

- "80:80"

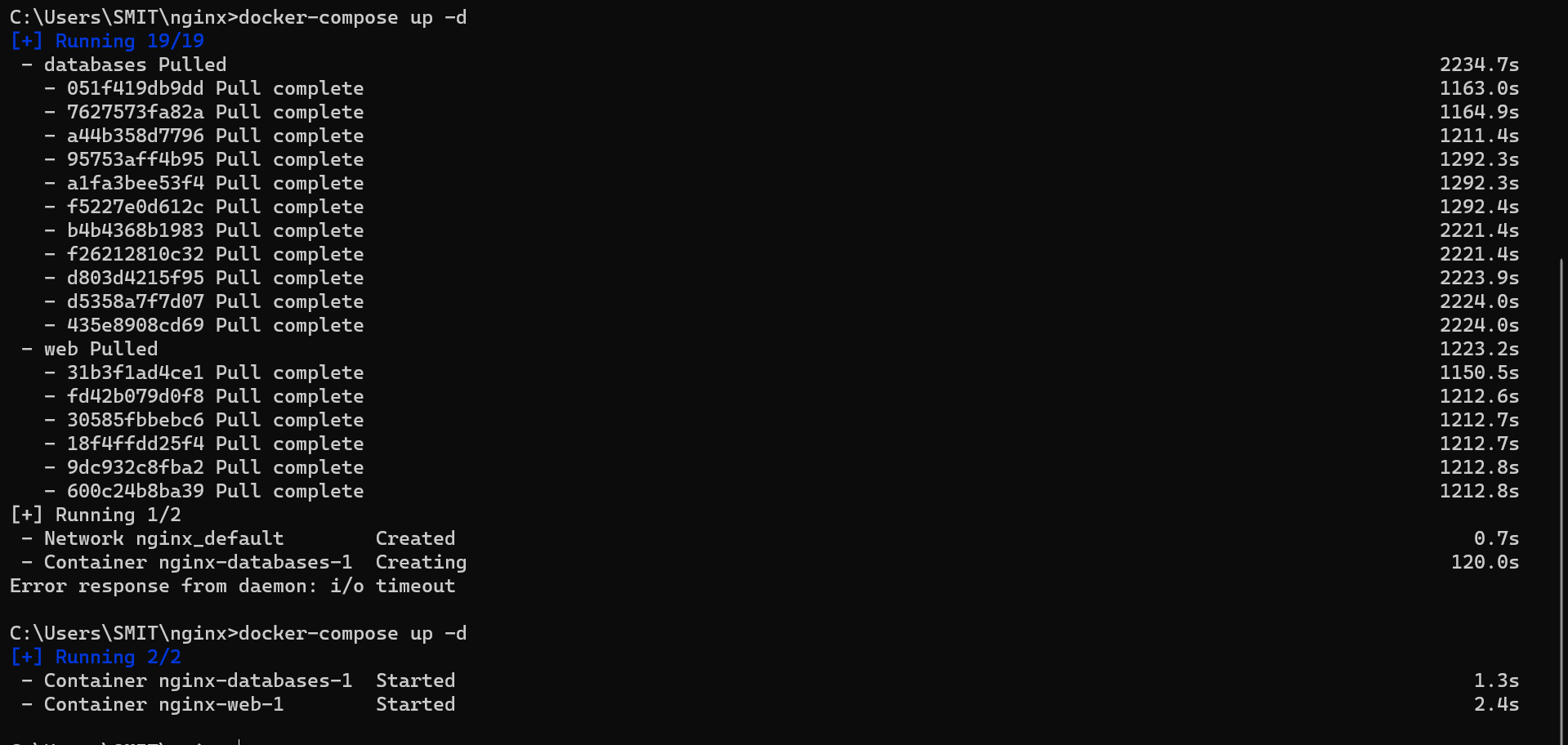
depends\_on:

- databases

**Running images using docker-compose**

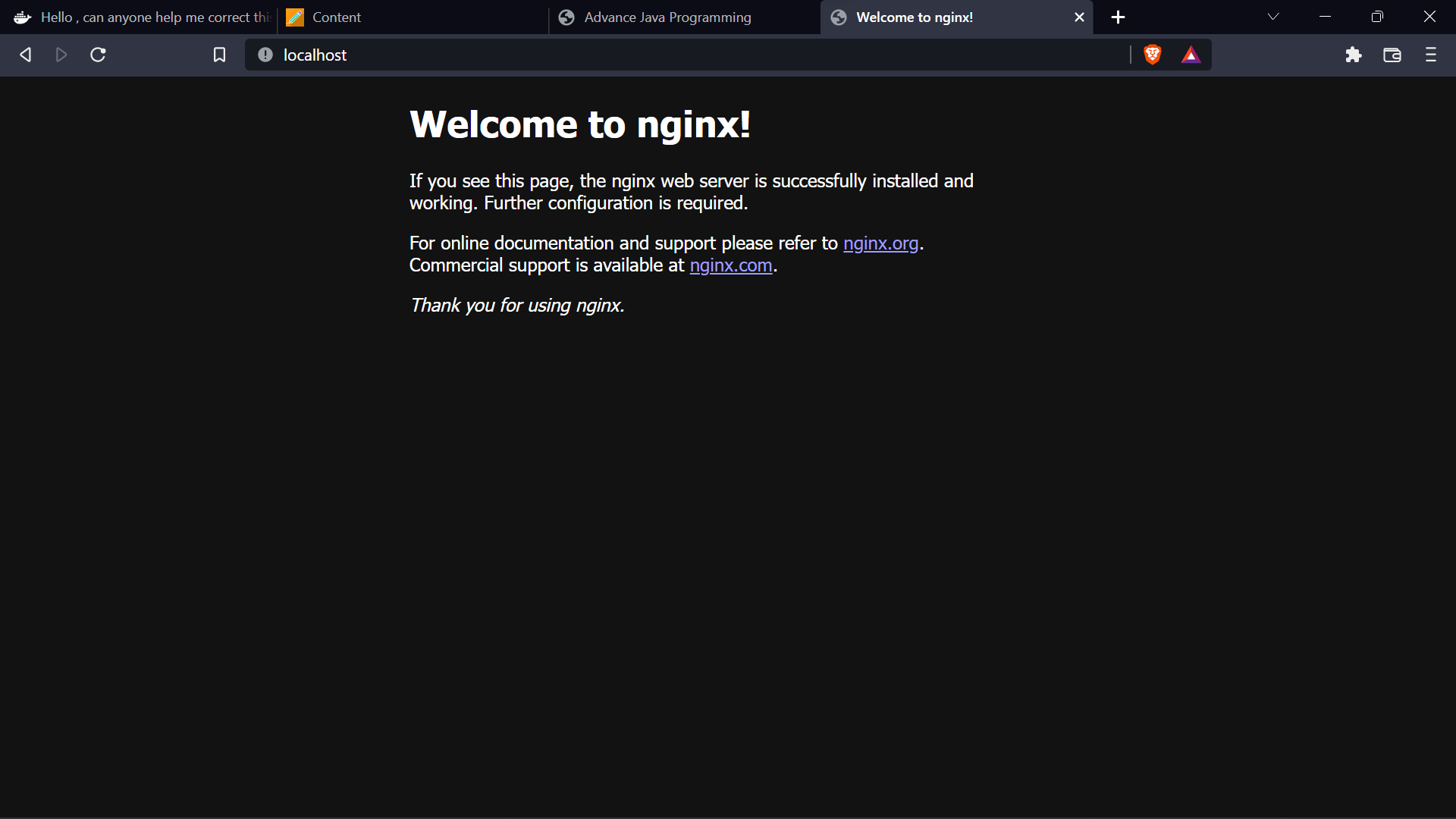
* Save docker-compose.yaml file and do docker-compose up.

docker-compose up -d



* Verify nginx service is up and is accessible on machine.

curl localhost:80



Stop and remove your docker container using docker-compose.

docker-compose down

