**EXPERIMENT 6**

**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.

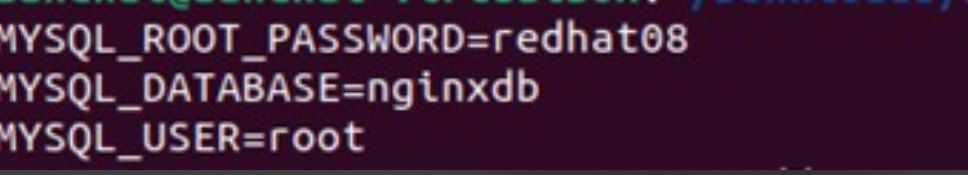
Add environment variables named "MYSQL\_ROOT\_PASSWORD", "MYSQL\_DATABASE", "MYSQL\_USER" and "MYSQL\_PASSWORD" along with corresponding values for all.

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:

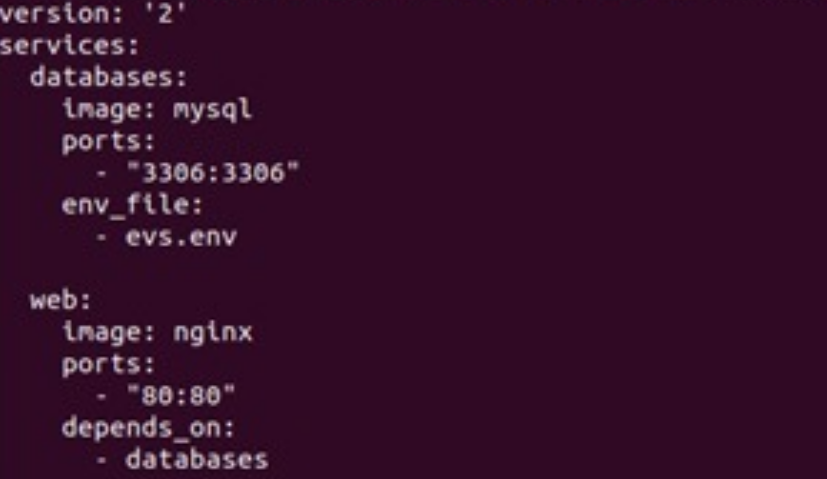
image: nginx

ports:

- "80:80"

depends\_on:

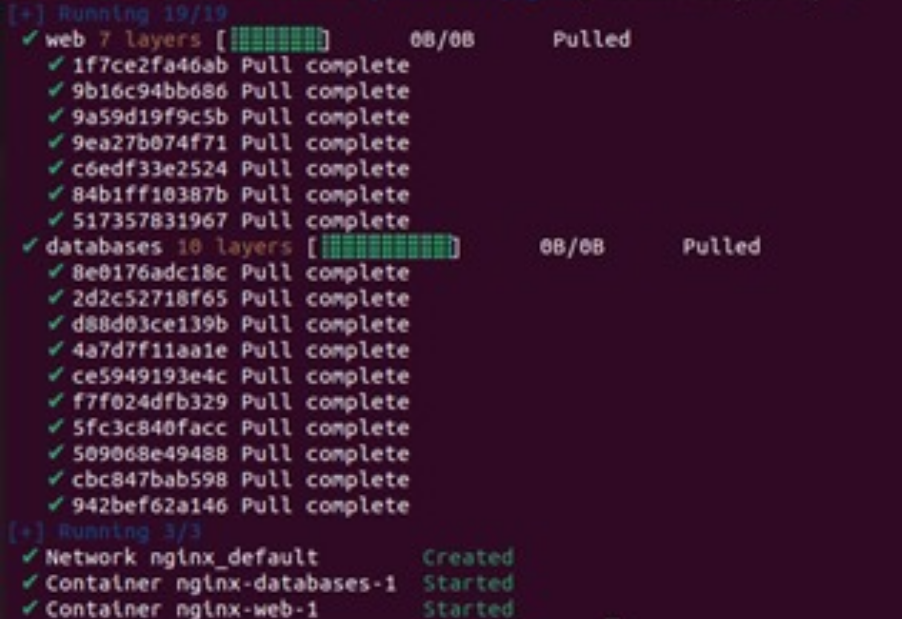
- databases



**Running images using docker-compose**

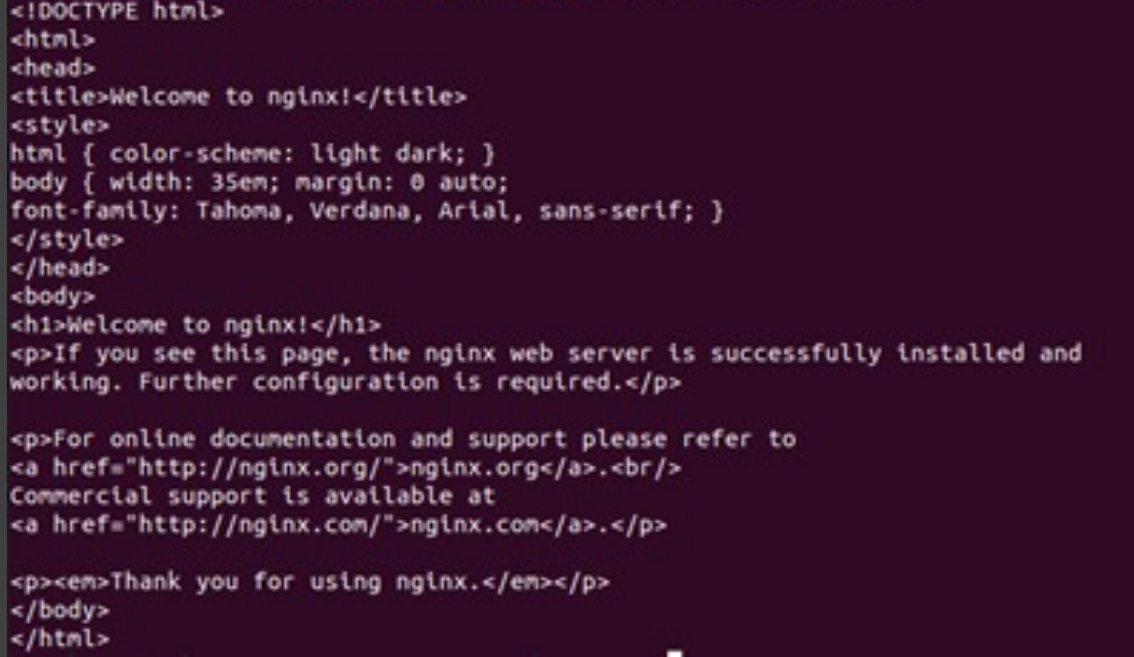
* Save docker-compose.yaml file and do docker-compose up.

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

