**EXPERIMENT 6**

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

**Steps to Complete:**

**Creating compose files**

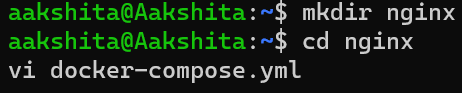
* Create a directory named nginx in your root.

mkdir nginx

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

cd nginx

vi docker-compose.yml



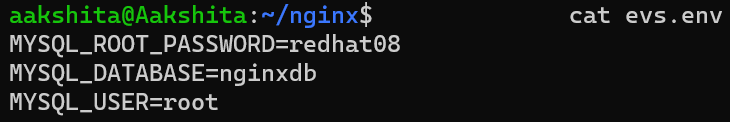
* Use docker-compose version 2 to create docker-compose.yaml file.

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

Map container 3306 port to host machine 3306 port.

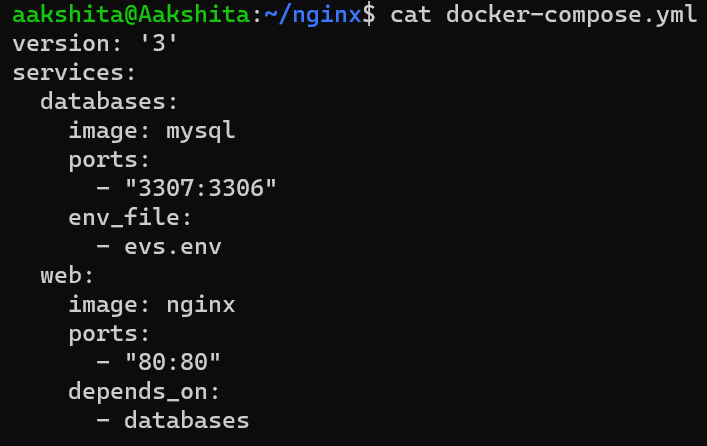
Add environment variables named "MYSQL\_ROOT\_PASSWORD", "MYSQL\_DATABASE", "MYSQL\_USER" and "MYSQL\_PASSWORD" along with corresponding values for all.

cat evs.env

  
  
 Add another service named "web"

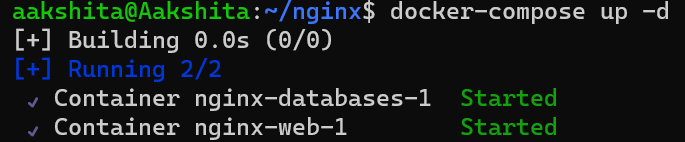
Use image "nginx"

cat docker-compose.yml

**Running images using docker-compose**

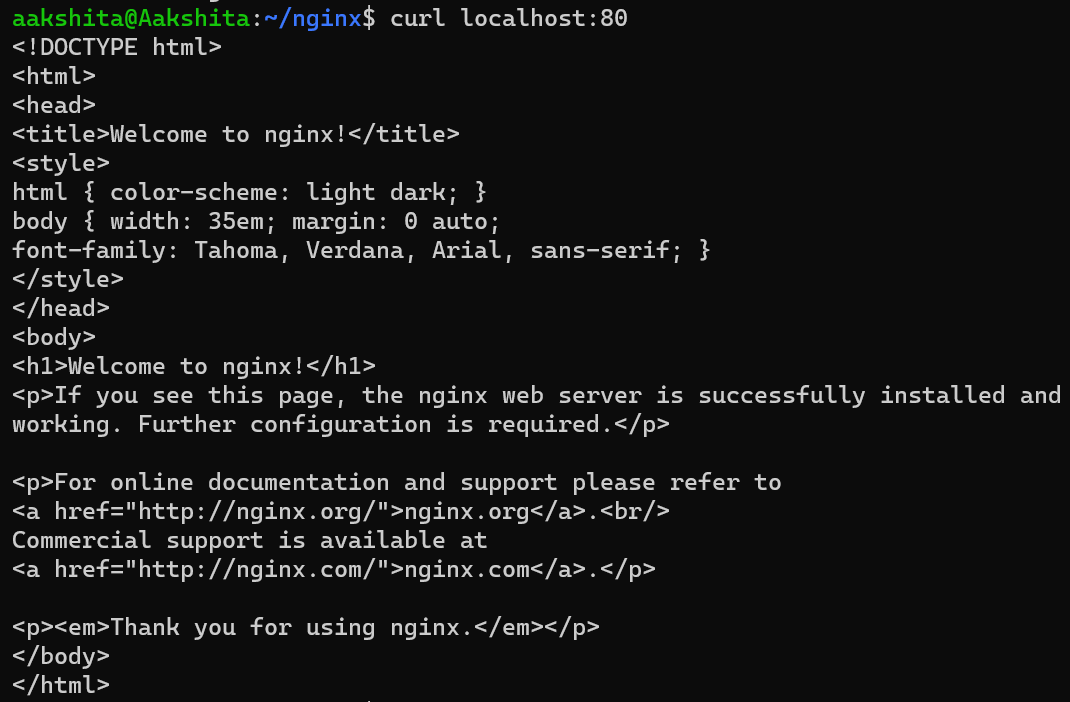
* Save docker-compose.yaml file and do docker-compose up.

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

