

**UNIVERSITY OF PETROLEUM & ENERGY STUDIES**

**Dehradun**

ACO LAB

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**BRANCH- COMPUTER SCIENCE ENGINEERING BATCH- B-4 DEVOPS**

# SAP ID- 500098212 ROLL NO- R2142211496

**SUBMITTED TO- Dr. Hitesh Kumar Sharma**

**EXPERIMENT -6**

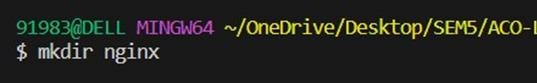
# AIM : Working with Docker Compose File to Control Multiple Containers

**Steps to Complete:**

1. **Creating compose files**

· Create a directory named nginx in your root.

**“ mkdir nginx ”**



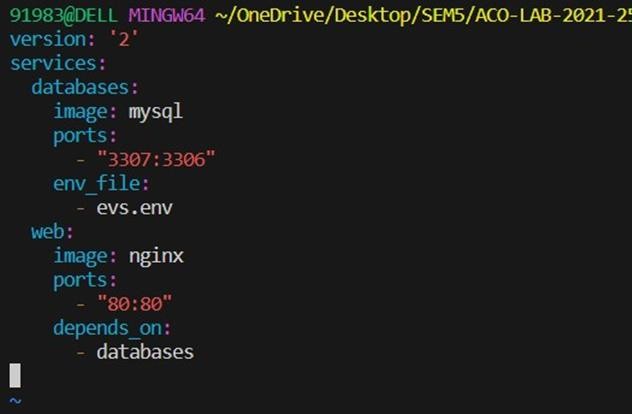
* Switch to that directory and create a file named docker-compose.yaml

**“ cd nginx ”**



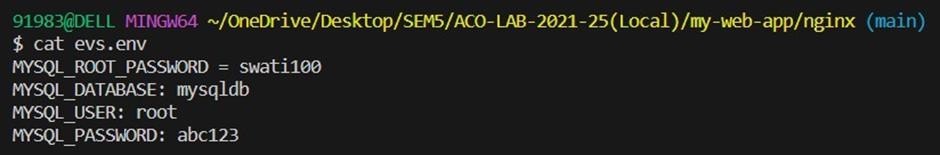
**“ vi docker-compose.yml ”**



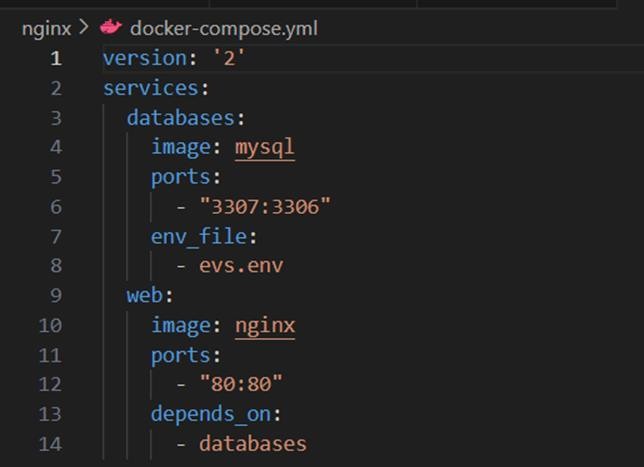


* Use docker-compose “version 2” to create docker-compose.yaml file.
* Create a service named "databases". Use image named "mysql"
* Map container 3306 port to host machine 3307 port.
* Add environment variables named "MYSQL\_ROOT\_PASSWORD", "MYSQL\_DATABASE", "MYSQL\_USER" and "MYSQL\_PASSWORD" along with corresponding values for all.

## “ cat evs.env ”



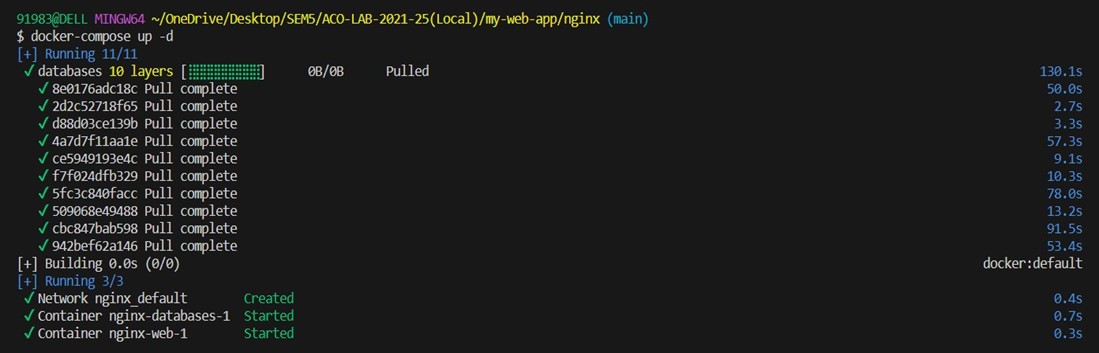
* Add another service named "web"
* Use image "nginx"



## Running images using docker-compose

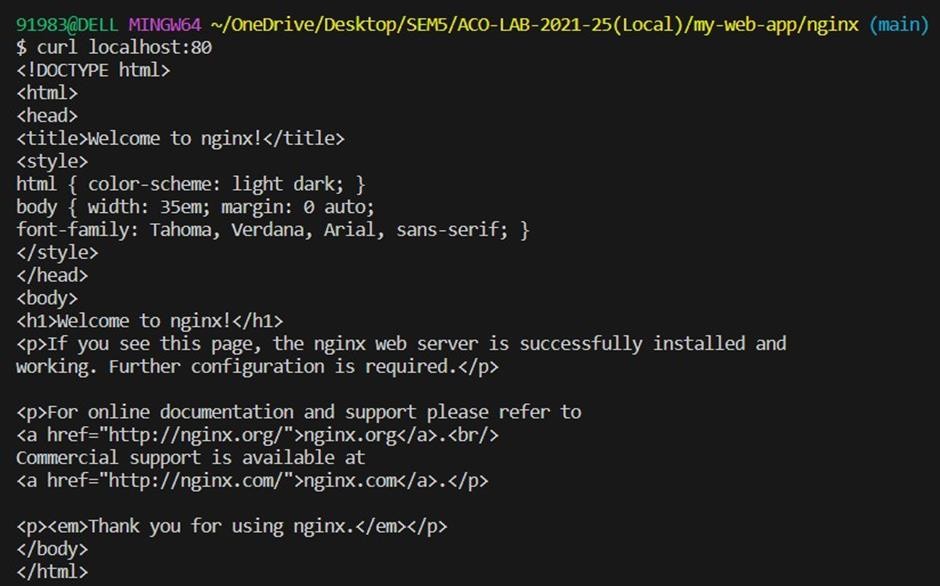
* + Save docker-compose.yaml file and do “ docker-compose up ” .

## “ 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 ”

