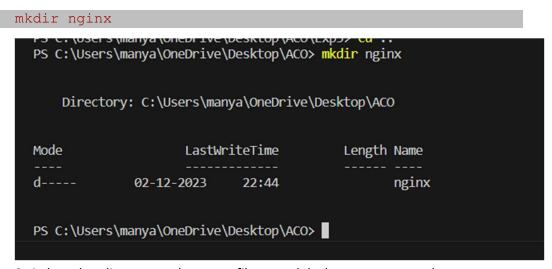
EXPERIMENT 6

AIM: Working with Docker Compose File to Control Multiple Containers

Steps to Complete:

Creating compose files

Create a directory named nginx in your root.



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

cd nginx



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.

```
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
```

```
PS C:\Users\manya\OneDrive\Desktop\ACO\nginx> curl 127.0.0.1:80
StatusCode
                   : 200
StatusDescription : OK
                   : <!DOCTYPE html>
Content
                     <html>
                     <head>
                     <title>Welcome to nginx!</title>
                     <style>
                     html { color-scheme: light dark; }
body { width: 35em; margin: 0 auto;
                     font-family: Tahoma, Verdana, Arial, sans-serif; }
                     </style...
                   : HTTP/1.1 200 OK
RawContent
                     Connection: keep-alive
                     Accept-Ranges: bytes
                     Content-Length: 615
                     Content-Type: text/html
                     Date: Sat, 02 Dec 2023 17:52:10 GMT
```

(i) localhost



Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to $\underline{nginx.org}$. Commercial support is available at $\underline{nginx.com}$.

Thank you for using nginx.

Stop and remove your docker container using docker-compose.

docker-compose down