DevOps Certification Training

Docker Assignment 2

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An organization XYZ Private Limited is developing a blogging platform using WordPress and MySQL. They have containerized their application. Now they are seeking your help in writing a docker-compose file to manage both the application together.

You are requested to do following task :

1. Install docker-compose.

2. Write a docker-compose file for running MySQL and WordPress application.

3. Configure the db connection and volumes for data persistence in the compose file.

4. Run both the containers by running docker-compose command.

5. Verify WordPress application is accessible.

6. Verify MySQL db is accessible.

7. Stop both the containers by running docker-compose command.

```
root@ip-172-31-15-165:~# curl -SL https://github.com/docker/compose/releases/do
wnload/v2.16.0/docker-compose-linux-x86_64 -o /usr/local/bin/docker-compose
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
  0     0    0     0    0     0      0      0 --:--:-- --:--:-- --:--:--     0
100 45.4M  100 45.4M    0     0  9657k      0  0:00:04  0:00:04 --:--:-- 11.6M
```

```
root@ip-172-31-15-165:~# chmod +x /usr/local/bin/docker-compose
root@ip-172-31-15-165:~# docker-compose -version
unknown shorthand flag: 'e' in -ersion
root@ip-172-31-15-165:~# docker-compose --version
Docker Compose version v2.16.0
root@ip-172-31-15-165:~# cd /opt
root@ip-172-31-15-165:/opt# vi docker-compose.yaml
root@ip-172-31-15-165:/opt# ls
containerd  docker-compose.yaml
```

```
root@ip-172-31-15-165:/opt# docker-compose up
[+] Running 2/1
 ⠿ Container opt-database-1   Created                                      0.1s
 ⠿ Container opt-wordpress-1  Created                                      0.1s
Attaching to opt-database-1, opt-wordpess-1
```



```
root@ip-172-31-15-165:/opt# docker-compose down
[+] Running 3/3
 ⠿ Container opt-wordpess-1   Removed                                      1.7s
 ⠿ Container opt-database-1   Removed                                      1.4s
 ⠿ Network opt_default        Removed                                      0.1s
```