

Assignment : Manage Multiple Containers

- docs.docker.com and - help command will be helpful
- Run a nginx, a mysql, and a apache server
- Run all containers in background
- Provide a name to all containers

```
docker pull nginx
```

```
docker pull httpd
```

```
docker pull MySQL
```

Start nginx on port 80:80

```
docker run -d --name my-nginx -p 80:80 nginx
```

Start apache server on port 8080:80

```
docker run -d --name my-apache -p 8080:80 httpd
```

- Start mysql on port 3306:3306

Assignment : Multiple Containers

- When running mysql, use - env to pass the environment variable MYSQL_RANDOM_ROOT_PASSWORD=yes

```
PS C:\Users\DELL> docker run -d --name my-mysql -p 3306:3306 -e  
MYSQL_RANDOM_ROOT_PASSWORD=yes MySQL
```

- Use docker container logs command on mysql to find the random password, created on start-up

```
docker container logs my-mysql 2>&1 | grep "GENERATED ROOT PASSWORD"
```

- Clean all the containers after the assignment done

```
docker container stop my-nginx my-apache my-mysql docker container rm my-nginx my-apache  
my-mysql
```