

Bài 1:

Step 1: Create a network

```
$ docker network create wordpress-network
```

Step 2: Create a volume for MariaDB persistence and create a MariaDB container

```
$ docker volume create --name mariadb_data
```

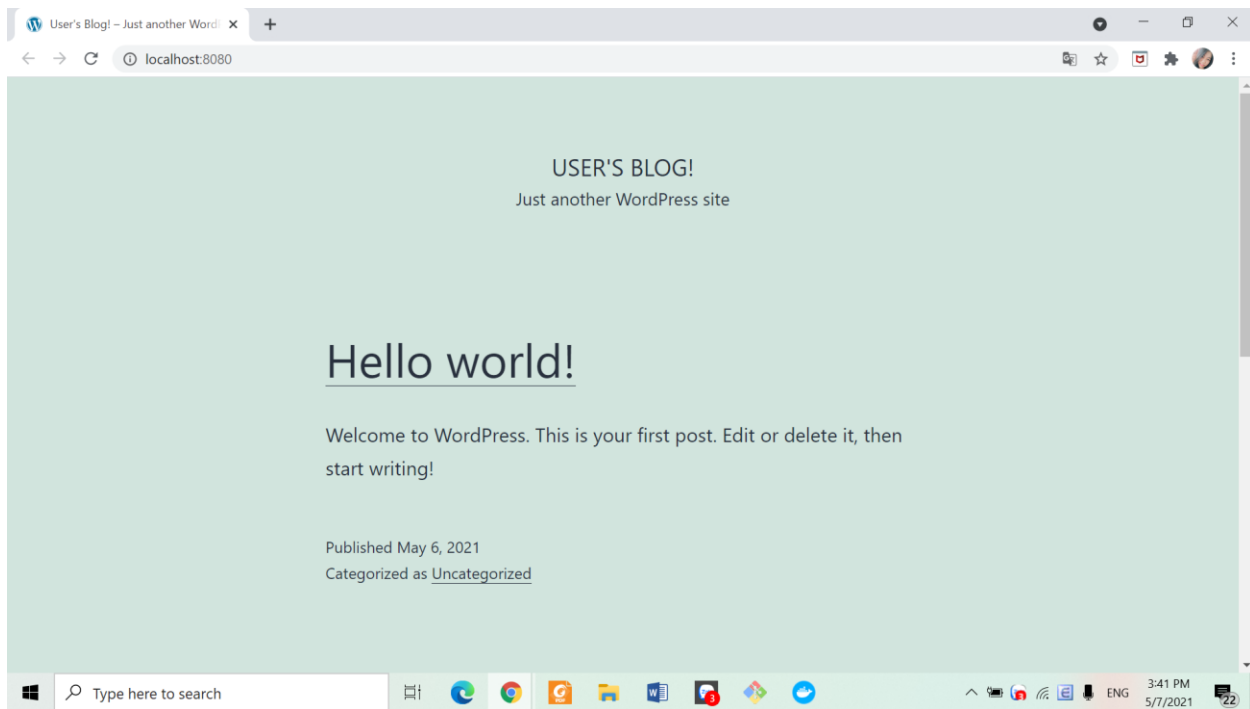
```
$ docker run -d --name mariadb \  
--env ALLOW_EMPTY_PASSWORD=yes \  
--env MARIADB_USER=bn_wordpress \  
--env MARIADB_PASSWORD=bitnami \  
--env MARIADB_DATABASE=bitnami_wordpress \  
--network wordpress-network \  
--volume mariadb_data:/bitnami/mariadb \  
bitnami/mariadb:latest
```

```
$ docker volume create --name wordpress_data
```

```
$ docker run -d --name wordpress \  
-p 8080:8080 -p 8443:8443 \  
--env ALLOW_EMPTY_PASSWORD=yes \  
--env WORDPRESS_DATABASE_USER=bn_wordpress \  
--env WORDPRESS_DATABASE_PASSWORD=bitnami \  
--env WORDPRESS_DATABASE_NAME=bitnami_wordpress \  
--network wordpress-network \  
--volume wordpress_data:/bitnami/wordpress \  
bitnami/wordpress:latest
```

```
$ docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
b538aa75f5f5	bitnami/wordpress:latest	"/app-entrypoint.sh ..."	27 hours ago	Up 7 minutes	0.0.0.0:8080->8080/tcp, :::8080->8080/tcp, 0.0.0.0:8443->8443/tcp, :::8443->8443/tcp
66e8e2f1f29d	bitnami/mariadb:latest	"/opt/bitnami/script..."	28 hours ago	Up 7 minutes	3306/tcp



Bài 2:

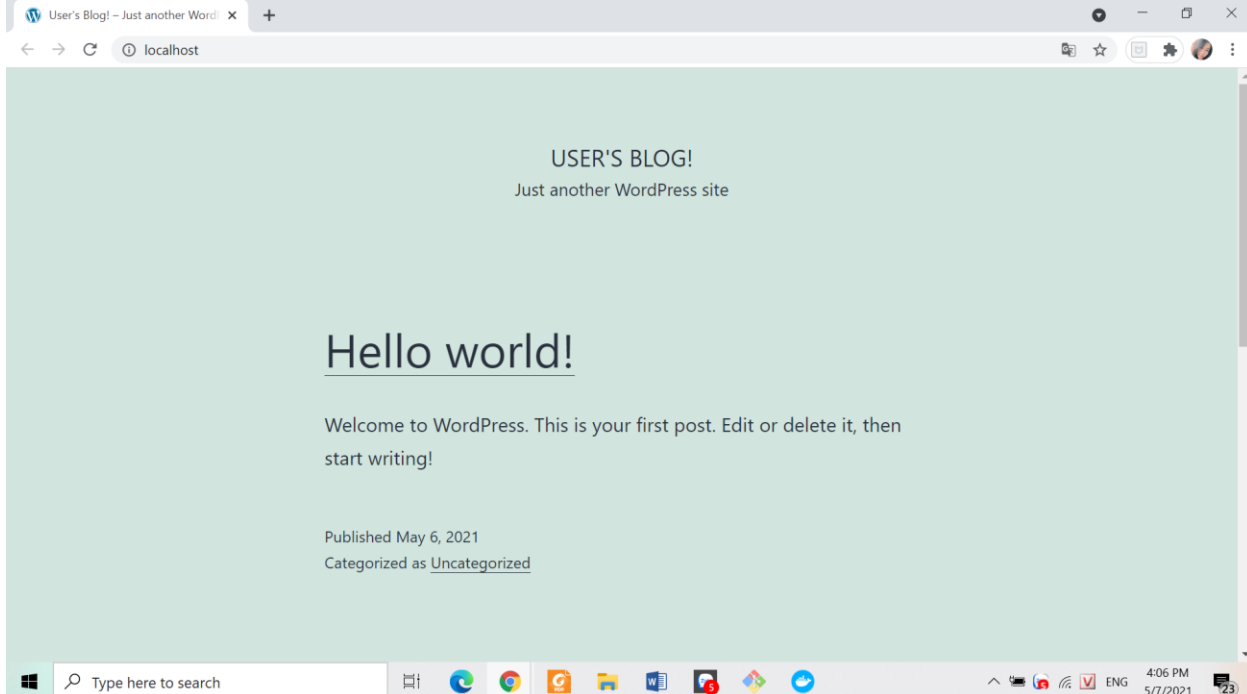
```
$ curl -sSL https://raw.githubusercontent.com/bitnami/bitnami-docker-wordpress/master/docker-compose.yml > docker-compose.yml
```

```
$ docker-compose up -d
```

```
LENOVO@DESKTOP-AQI0542 MINGW64 ~
$ curl -sSL https://raw.githubusercontent.com/bitnami/bitnami-docker-wordpress/master/docker-compose.yml > docker-compose.yml

LENOVO@DESKTOP-AQI0542 MINGW64 ~
$ docker-compose up -d
Creating network "lenovo_default" with the default driver
Creating lenovo_mariadb_1 ...
Creating lenovo_mariadb_1 ... done
Creating lenovo_wordpress_1 ...
Creating lenovo_wordpress_1 ... done
Docker Compose is now in the Docker CLI, try `docker compose up`

LENOVO@DESKTOP-AQI0542 MINGW64 ~
$ docker ps
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS
PORTS
NAMES
9602596e80ff   bitnami/wordpress:5               "/app-entrypoint.sh ..." 3 minutes ago  Up 3 min
0.0.0.0:80->8080/tcp, :::80->8080/tcp, 0.0.0.0:443->8443/tcp, :::443->8443/tcp
lenovo_wordpress_1
cf6573b8de20   bitnami/mariadb:10.3              "/opt/bitnami/script..." 3 minutes ago  Up 3 min
3306/tcp
lenovo_mariadb_1
b538aa75f5f5   bitnami/wordpress:latest          "/app-entrypoint.sh ..." 28 hours ago   Up 36 mi
0.0.0.0:8080->8080/tcp, :::8080->8080/tcp, 0.0.0.0:8443->8443/tcp, :::8443->8443/tcp
p_wordpress
66e8e2f1f29d   bitnami/mariadb:latest            "/opt/bitnami/script..." 28 hours ago   Up 36 mi
3306/tcp
mariadb
```



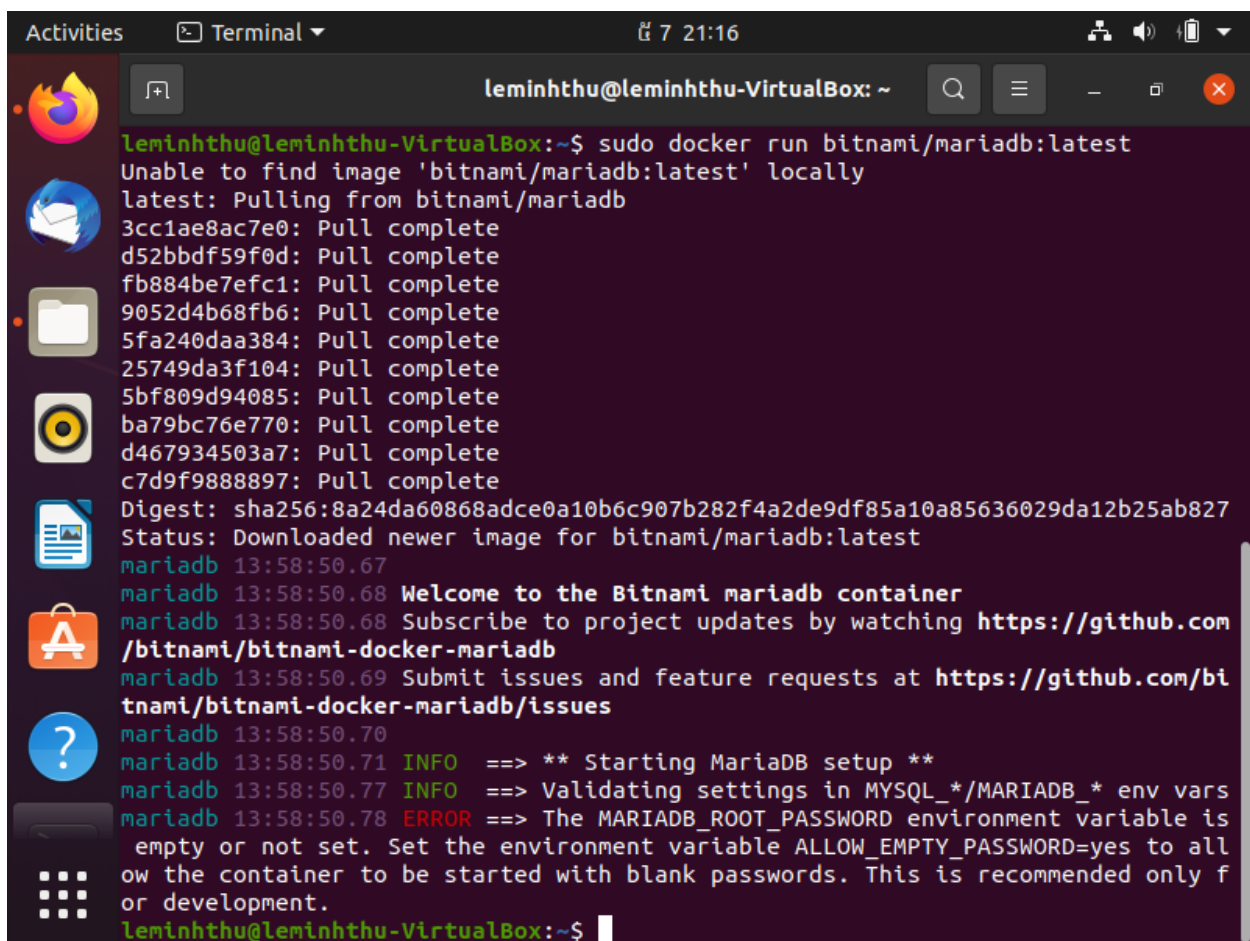
Bài 3:

Trên máy ảo thứ nhất:

```
$ docker network create wordpress-network
```

```
$ docker volume create --name mariadb_data
```

```
$ docker run -d --name mariadb \  
--env ALLOW_EMPTY_PASSWORD=yes \  
--env MARIADB_USER=bn_wordpress \  
--env MARIADB_PASSWORD=bitnami \  
--env MARIADB_DATABASE=bitnami_wordpress \  
--network wordpress-network \  
--volume mariadb_data:/bitnami/mariadb \  
bitnami/mariadb:latest
```



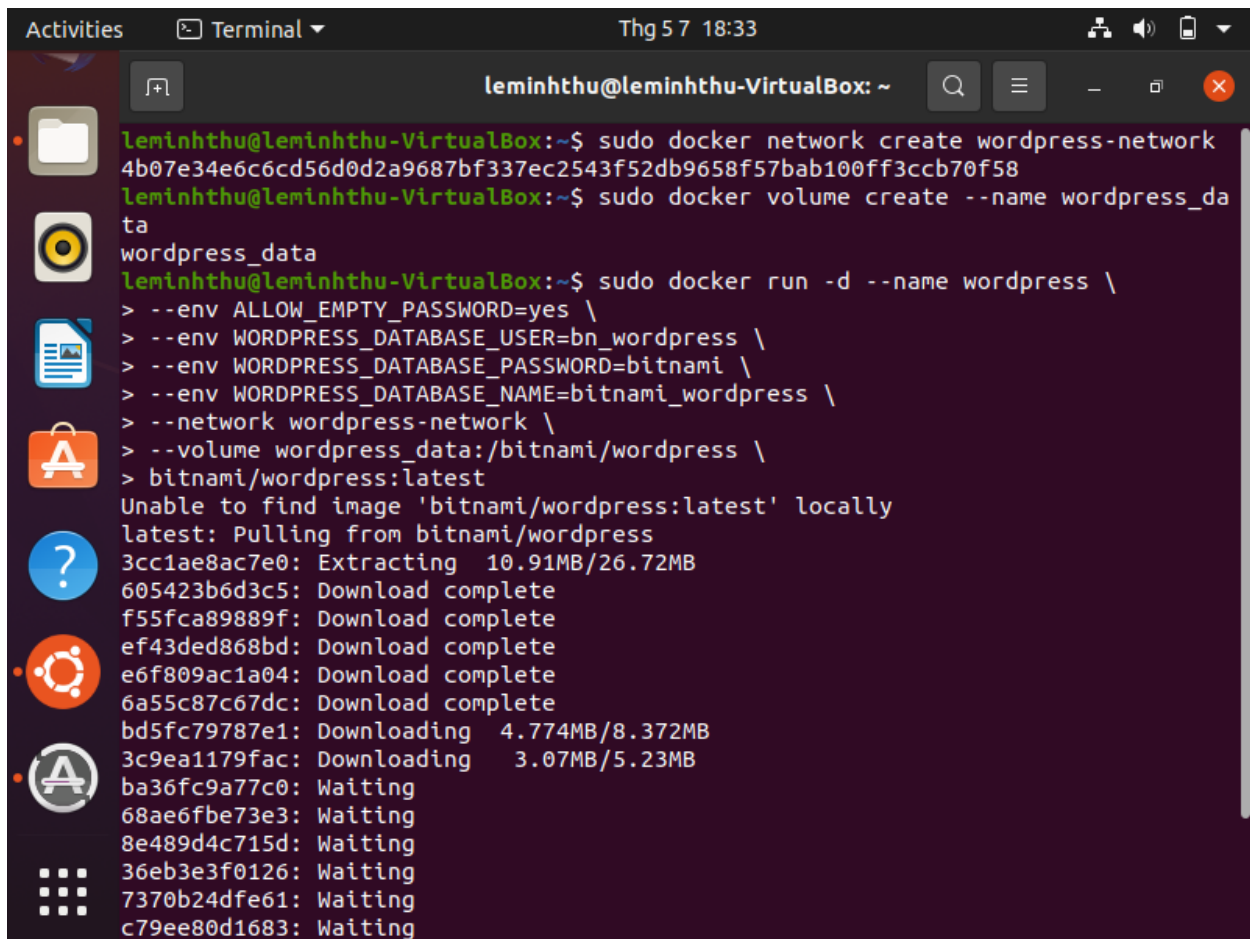
```
Activities  Terminal  7 21:16  
leminhthu@leminhthu-VirtualBox: ~  
leminhthu@leminhthu-VirtualBox:~$ sudo docker run bitnami/mariadb:latest  
Unable to find image 'bitnami/mariadb:latest' locally  
latest: Pulling from bitnami/mariadb  
3cc1ae8ac7e0: Pull complete  
d52bbdf59f0d: Pull complete  
fb884be7efc1: Pull complete  
9052d4b68fb6: Pull complete  
5fa240daa384: Pull complete  
25749da3f104: Pull complete  
5bf809d94085: Pull complete  
ba79bc76e770: Pull complete  
d467934503a7: Pull complete  
c7d9f9888897: Pull complete  
Digest: sha256:8a24da60868adce0a10b6c907b282f4a2de9df85a10a85636029da12b25ab827  
Status: Downloaded newer image for bitnami/mariadb:latest  
mariadb 13:58:50.67  
mariadb 13:58:50.68 Welcome to the Bitnami mariadb container  
mariadb 13:58:50.68 Subscribe to project updates by watching https://github.com/bitnami/bitnami-docker-mariadb  
mariadb 13:58:50.69 Submit issues and feature requests at https://github.com/bitnami/bitnami-docker-mariadb/issues  
mariadb 13:58:50.70  
mariadb 13:58:50.71 INFO ==> ** Starting MariaDB setup **  
mariadb 13:58:50.77 INFO ==> Validating settings in MYSQL_*/MARIADB_* env vars  
mariadb 13:58:50.78 ERROR ==> The MARIADB_ROOT_PASSWORD environment variable is  
empty or not set. Set the environment variable ALLOW_EMPTY_PASSWORD=yes to all  
ow the container to be started with blank passwords. This is recommended only f  
or development.  
leminhthu@leminhthu-VirtualBox:~$
```

Trên máy ảo thứ hai:

```
$ docker network create wordpress-network
```

```
$ docker volume create --name wordpress_data
```

```
$ docker run -d --name wordpress \
  -p 8080:8080 -p 8443:8443 \
  --env ALLOW_EMPTY_PASSWORD=yes \
  --env WORDPRESS_DATABASE_USER=bn_wordpress \
  --env WORDPRESS_DATABASE_PASSWORD=bitnami \
  --env WORDPRESS_DATABASE_NAME=bitnami_wordpress \
  --network wordpress-network \
  --volume wordpress_data:/bitnami/wordpress \
  bitnami/wordpress:latest
```



```
leminhthu@leminhthu-VirtualBox: ~$ sudo docker network create wordpress-network
4b07e34e6c6cd56d0d2a9687bf337ec2543f52db9658f57bab100ff3ccb70f58
leminhthu@leminhthu-VirtualBox:~$ sudo docker volume create --name wordpress_data
wordpress_data
leminhthu@leminhthu-VirtualBox:~$ sudo docker run -d --name wordpress \
> --env ALLOW_EMPTY_PASSWORD=yes \
> --env WORDPRESS_DATABASE_USER=bn_wordpress \
> --env WORDPRESS_DATABASE_PASSWORD=bitnami \
> --env WORDPRESS_DATABASE_NAME=bitnami_wordpress \
> --network wordpress-network \
> --volume wordpress_data:/bitnami/wordpress \
> bitnami/wordpress:latest
Unable to find image 'bitnami/wordpress:latest' locally
latest: Pulling from bitnami/wordpress
3cc1ae8ac7e0: Extracting 10.91MB/26.72MB
605423b6d3c5: Download complete
f55fca89889f: Download complete
ef43ded868bd: Download complete
e6f809ac1a04: Download complete
6a55c87c67dc: Download complete
bd5fc79787e1: Downloading 4.774MB/8.372MB
3c9ea1179fac: Downloading 3.07MB/5.23MB
ba36fc9a77c0: Waiting
68ae6fbe73e3: Waiting
8e489d4c715d: Waiting
36eb3e3f0126: Waiting
7370b24dfe61: Waiting
c79ee80d1683: Waiting
```