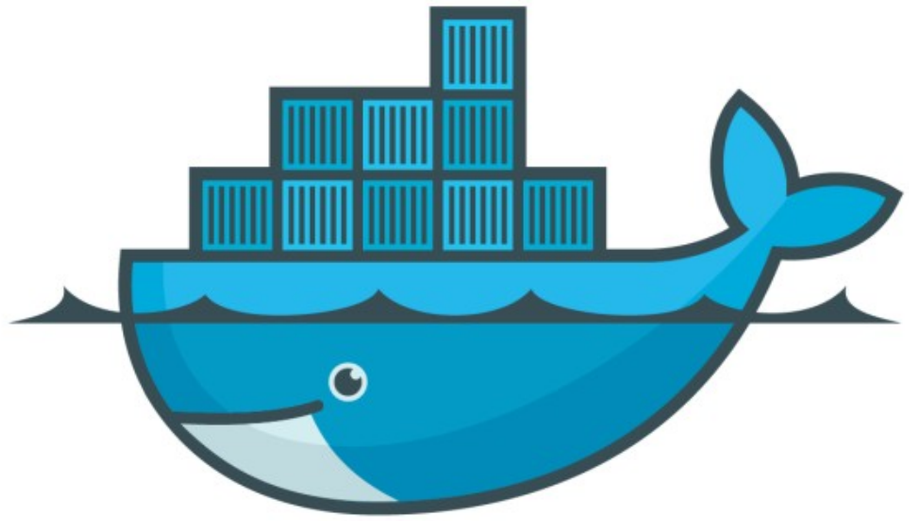

DOCKER

Assignment Answer : Named Volumes

- Create mysql container with some specific version with Volume named mysql-db
- Start Mysql Container
  docker container run - -name=mysqltest mysql
- Start Mysql with admin password
  docker run --name=test-mysql --env="MYSQL_ROOT_PASSWORD=mypassword" mysql
- Remove existing Container and Start Again
- Verify MqSQL Container

- Stop/remove mySQL Container and Start with user Defined Volumes

  docker run --name=test-mysql --env="MYSQL_ROOT_PASSWORD=mypassword" - -mount *source=mysql-db, target=/var/lib/mysql* mysql

- Verify mysql Containers
- Go to MySQL DataBase and Create Data

- Go to MySQL DataBase and Create Data
- Inspect container to find the IP
- Get the Running Port
- Install MySQL client package.
  apt-get install mysql-client
- Execute Command to login MySQL DB
- mysql -u root -p <password> -h <hostIP> -P <port>
  mysql -u root -p mypassword -h 172.17.0.20 -P 3306

- Create DataBase
  CREATE DATABASE *databasename*;

- Create Table in DataBase
  CREATE TABLE Persons (PersonID int, LastName varchar(255), FirstName varchar(255), Address varchar(255), City varchar(255));

- Insert Some Data into the Table
  INSERT INTO Persons (PersonID, LastName, FirstName, Address, City)VALUES (14, 'B. Erichsen', ’Tom’, ‘Skagen 216’, 'Norway');
  INSERT INTO Persons (PersonID, LastName, FirstName, Address, City)VALUES (17, 'Zbyszek', ’Wolski’, ‘Keskuskatu 45’, ‘Finland');

- Verify DataBase
  Select * From Persons;

- Stop and Remove the Running Container.
- Start a New MySQL Container with earlier Data Volumes.
  docker run —name=test-mysql-secound --env="MYSQL_ROOT_PASSWORD=mypassword" - -mount *source=mysql-db, target=/var/lib/mysql* mysql
- Go to the DataBase
- Verify the Data, user have created in earlier Container.

Will see you in Next Lecture…

See you in next lecture …