

Cloud Computing Practical 1 Exercise 3

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Exercise 3.

Task1:

```
db:
  container_name: db
  image: mysql:5.7
  restart: always
  ports:
    - 9906:3306
  environment:
    MYSQL_ROOT_PASSWORD: MYSQL_ROOT_PASSWORD
    MYSQL_DATABASE: MYSQL_DATABASE
    MYSQL_USER: MYSQL_USER
    MYSQL_PASSWORD: MYSQL_PASSWORD
```

Here I added the image tag for mysql which will be pulled from the web.

The restart tag is set as always which means that it will always restart the container if it stops unexpectedly.

The port is set as 9906 for the host port and 3306 for the container port.

Then we set the variables that are used to access the MySQL server.

Task2:

```
phpmyadmin:
  image: phpmyadmin:latest
  restart: always
  ports:
    - 8080:80
  depends_on:
    - db
  environment:
    PMA_HOST: db
```

Here we define the phpMyAdmin image which is an interface to our data written to the MySQL server.

We set the restart policy as above and we define the ports.

The depends on tag makes sure that the db image will start first and then the phpadmin.

PMA_HOST defines the host name of our MYSQL server which we defined as 'db'.

Task3:

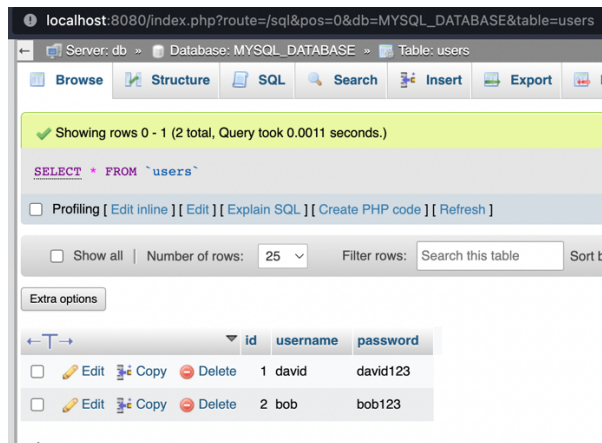
A screenshot of a web browser window. The address bar shows 'localhost:8000'. Below the address bar, a message reads 'Connected to MySQL server successfully!'.

Connected to MySQL server successfully!

ID:

Firstname:

password:



To make sure everything works I entered two values into the MYSQL server and I could see them show up in the php admin page.