MySQL via Dockerfile

Dockerfile

```
1   # Use the official Ubuntu base image
2   FROM ubuntu:latest
3
4   # Install MySQL Server
5   RUN apt-get update && apt-get install -y mysql-server
6
7   # Expose MySQL port
8   EXPOSE 3306
9
10  # Start MySQL service when the container starts
11  CMD ["mysqld", "--user=mysql", "--console"]
12
```

Build image

```
1   docker build -t mysql_ubuntu .
```

Run container

```
1   docker run -d --name mysql_container mysql_ubuntu
```

Find default root password from container logs

```
1   docker logs mysql_container
```

Search for the string

```
1   GENERATED ROOT PASSWORD: xxxxxxxxxx
```

Connect to container

```
1   docker exec -it mysql_container mysql -u root -p
```

Use the password identified!

While connected as above

```
1   ALTER USER 'root'@'localhost' IDENTIFIED BY 'new_password';
2
3   FLUSH PRIVILEGES;
4
5   Quit or exit
```

Reconnect with new password

```
1   docker exec -it mysql_container mysql -u root -p
```