



APRIL 19, 2023

DevOps Classroomnotes 19/Apr/2023

A Sample application

- Python based application:
 - Web application
 - Database
- Code: [Refer Here](#)
- This application has a python web frontend.
- Create a image by following instructions [Refer Here](#)
- Create a mysql container according to docs
- get the mysql ip address and pass it as environment variable to the python web application
- What is that you need to do
 - Create a bridge network
 - Create a volume and attach it to mysql container
 - Resolve the mysql container by its name
- To do this

```
git clone https://github.com/DevProjectsForDevOps/StudentCoursesRestAPI.git
cd StudentCoursesRestAPI
docker image build -t scr:latest
docker network create -d bridge scr_bridge
docker volume create scr_db
docker container run -d --name mysql -e MYSQL_ROOT_PASSWORD=password -e MYSQL_DATABASE=test
docker container run -d --name mypythonapp -e MYSQL_SERVER=mysql --network scr_bridge -P
```

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