# Homework M3: Kubernetes

Main goal is to build further on what was demonstrated during the practice

## Tasks

We have a project used to build a set of two container images:

* Project: <https://github.com/shekeriev/two-docker-images>
* Image 1: <https://hub.docker.com/repository/docker/shekeriev/dob-w3-php>
* Image 2: <https://hub.docker.com/repository/docker/shekeriev/dob-w3-mysql>

Utilizing what was discussed and shown during the lecture, try to do the following:

1. Create a Terraform configuration to build a small containerized application in Kubernetes (it can be Minikube or other Kubernetes deployment) by using the two images. You must provide the containers with connectivity, mount the PHP file (index.php) and set a database password (check the files in the project)
2. Using the same set of input information (the two images and the index.php file) try to create a Helm chart

Please note that you can do either one of the tasks or both. Whichever you choose, your submission will be accepted, and you will be eligible to receive the corresponding amount of homework points

## Proof

Prepare a document that show what you accomplished and how you did it. It can include (not limited to):

1. The commands you used to achieve the above tasks
2. Any configuration files produced while solving the tasks
3. A few pictures showing intermediary steps or results