Steps to complete the assignment

1. Installed Docker and Minikube.

2. Created a Dockerfile for the flask application, which contains instructions for creating the Docker image by specifying the port exposed, the requirements file and the flask app file.

3. Build the docker image using CLI by using the below command-
   docker build -t shambhavis/todoapp .

4. Pushed the docker image to the Docker Hub using CLI with the command –
   docker push shambhavis/todoapp

5. Started the minikube using - minikube start command

6. Created deployment and service files for flask, volume storage and mongoDb

7. Used the below command to create pods for the flask app and mongodb –
   kubectl apply -f todo-flaskapp-deployment.yaml
   kubectl apply -f todoflaskapp-service.yaml
   kubectl apply -f persistentVolStorage.yaml
   kubectl apply -f mongo-service.yaml
   kubectl apply -f mongo-deployment.yaml

8. Fetched url from the minikube using the below command -
   minikube service todo –url

9. Opened this url to land on the base page of the flask to-do app