Name: - Muhammad Huzaifa Waseem (2303-KHI-DEG-021)

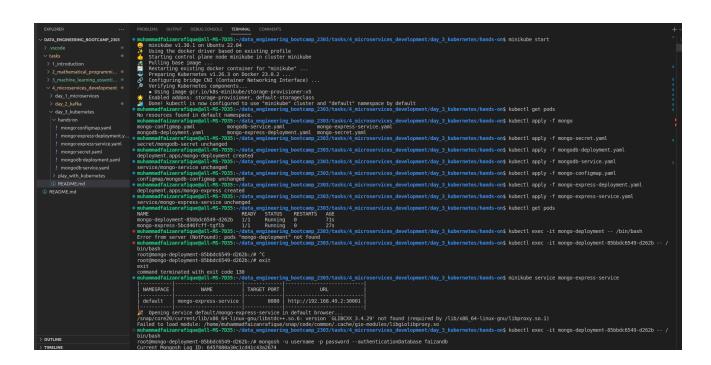
Pair Partner 1: - Muhammad Faizan Rafique (2303.005.KHI.DEG)

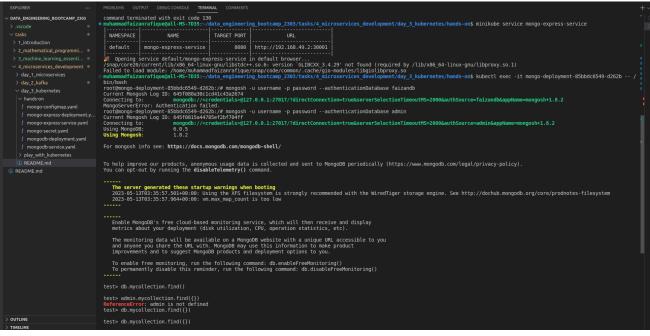
Pair Partner 2: - Syed Muhammad Hammad Irshad(2303.KHI.DEG.032)

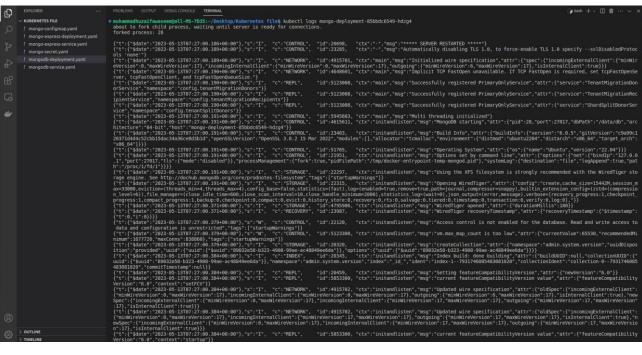
UNIT 4.3:

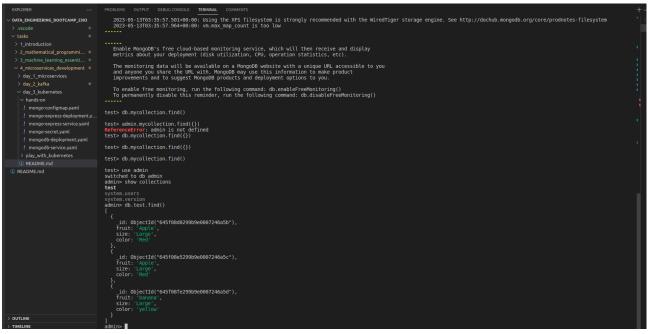
Assignment

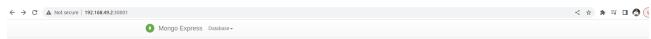
Display logs of a running MongoDB container. Add a document to the DB via Mongo Express frontend. Get into the pod and verify the document's existence via *mongosh*.







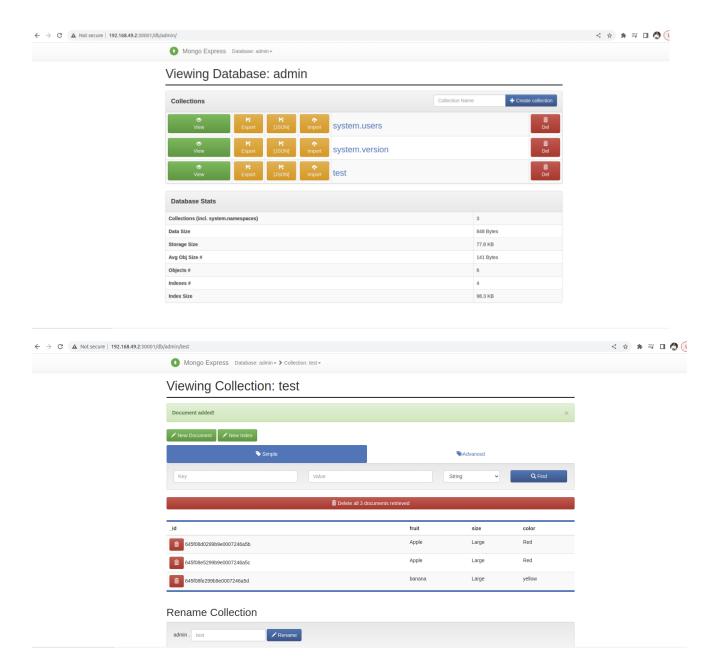






Server Status

Turn on admin in config.js to view server stats!



Expian

Let's embark on an exciting adventure into the world of Kubernetes! We start with "minikube start," which wakes up Minikube and makes it powerful. Then we use "kubectl get pods" to see a list of running pods. With "kubectl apply -f," we bring our files to life, like building blocks. We discover "minikube service mongo-express-service," a special door to Mongo Express. Using "kubectl exec -it mongo-deployment-**** --/bin/bash," we enter the container and find secrets inside. Finally, "db.mycollection.find()" helps us find treasures in the database. It's like exploring a magical land where we can create, discover, and learn!