# Module 10: Container Orchestration using Kubernetes

## Case Study

edureka!

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# Problem Statement

You are working as a Devops Administrator. Lately you've been asked to deploy a multi-tier application on Kubernetes Cluster. The application is a NodeJS application available on Docker Hub with the following name:

*devopsedu/employee*

This NodeJS application works with a mongo database. MongoDB is available on DockerHub with the following name:

*mongo*

You are required to deploy this application on Kubernetes. Following information may help while you are doing this task:

- Guide to Setting up a Kubernetes Cluster is available in your LMS in Installation Guide tab
- NodeJS is available on port 8888 in the container and will be reaching out to port 27017 for mongo database connection
- MongoDB will be accepting connections on port 27017

You must deploy this application using the CLI and Dashboard.

Once your application is up and running, ensure you can add an employee from the NodeJS application and verify by going to Get Employee page and retrieving your input.

**Hint:** Name the Mongo DB Service and deployment, specifically as "mongo".

**Note:** In a document, take screenshot of the output of above task in browser and submit it.