Docker

1. What is Containerization?
2. Virtualization vs Containerization
        - What are containers?
        - Why use containers?
        - Use cases of containers?
3. What is Docker?
4. Types of Container Runtimes.
5. Understanding Docker Layers, Volumes, Network.
6. How to create a Docker file?
7. What is a Container Registry?
8. Creating Docker images and pushing them to Registry.
9. Caching in Docker

Task:

1. Containerize a Static Web application using Nginx docker image.
Note:
a. Contents of Web Application should persist on Container restarts.
b. When we hit the IP on browser a message of "Welcome to XenonStack" must be visible.

2. Dockerize Notejam Application using any one of the Web Framework.
Note: Web Application should connect with external Database.
URL: https://github.com/komarserjio/notejam

3. Create an image and push to Docker hub

4. Create the deployment from this image

5. Docker exercises - Lightenna

Reference Links

   1. Overview | Docker Documentation
   2. About storage drivers | Docker Documentation
   3. https://jhooq.com/categories/docker/
   4. Docker COPY vs Docker ADD? | Jhooq