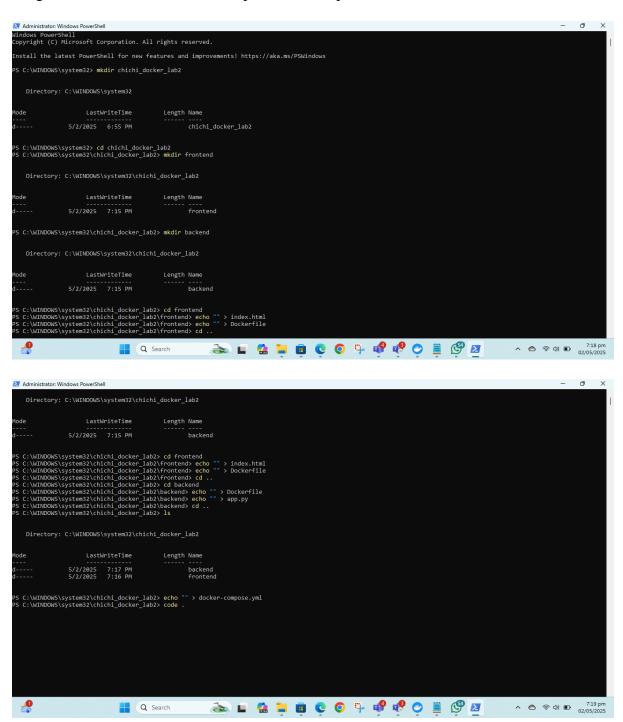
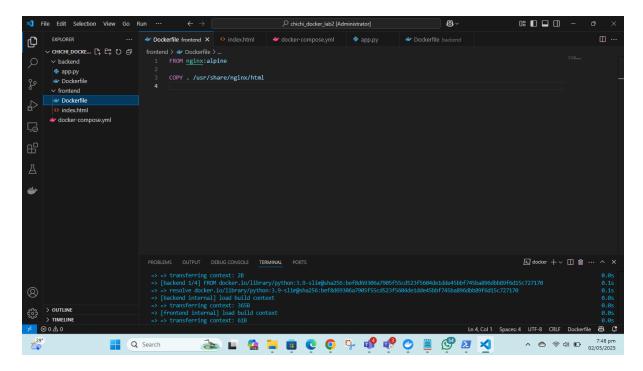
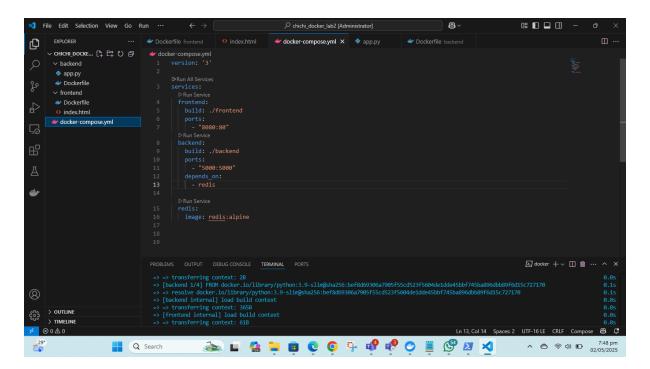
## Containerizing a Multi-Service Application with Docker Compose

The main objective for this lab was to reduce the workload and hence provide efficiency in creating containers to run multiple services at the same time. A docker compose file was created and based on the docker compose file, multiple container images were created which was used to run containers providing a platform to test and develop business logic. The images created can be used in other platforms compatible with docker.

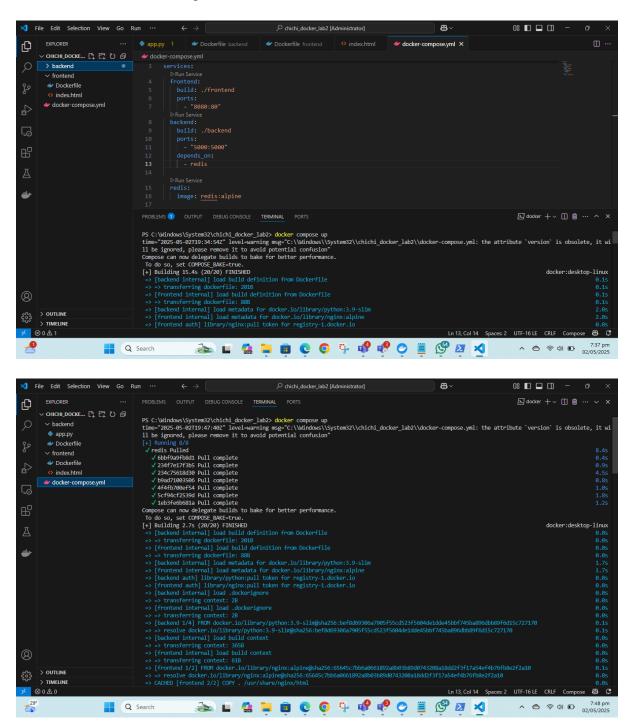


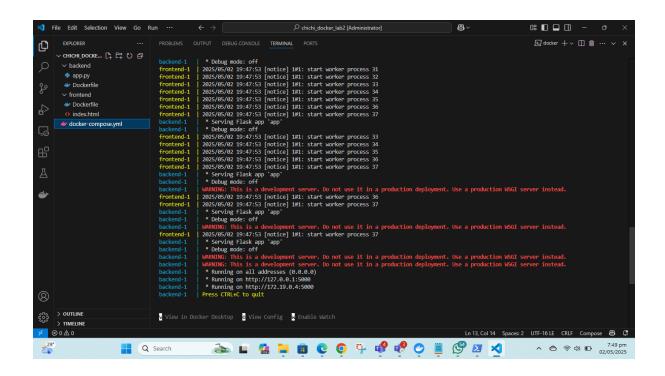


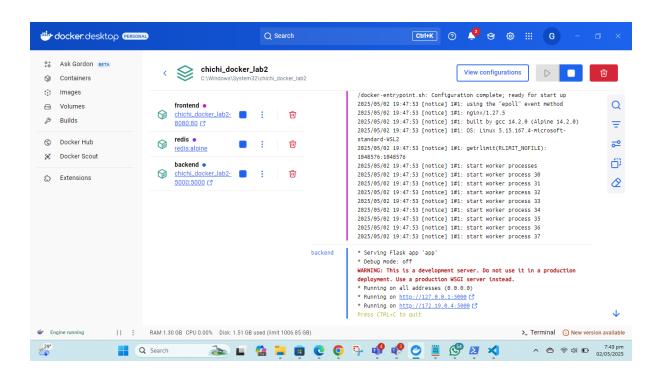
In this lab, two subdirectories named frontend and backend were created. The frontend directory contained an index.html file which served as the main entry point for the frontend application as well as a docker file which was executed to build an image to run a container. The backend directory also contained an app.py file which served as the main entry point for the backend application. The backend application also had its corresponding docker file for the creation of the docker image. The running of the backend application depended on the redis service.



The docker compose file compiled all the services and was used to generate an image for each service. Based on the version of the docker compose file which was version 3, It was able to house and build images for three services (backend, frontend and redis service).









Hello, welcome to our application! I'm Gertrude Chichi, and I'm excited to have you here. Our team is working hard to bring you the best experience possible. Stay tuned for updates and new features!!

This is a sample HTML page.



