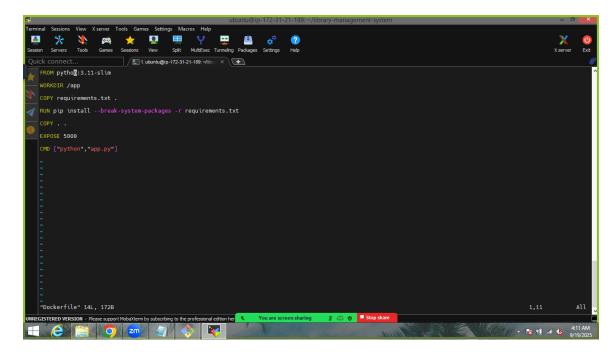
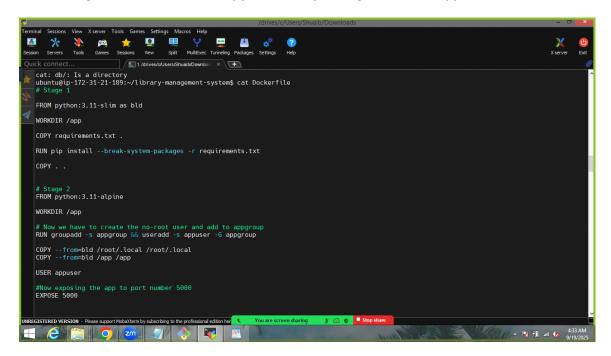
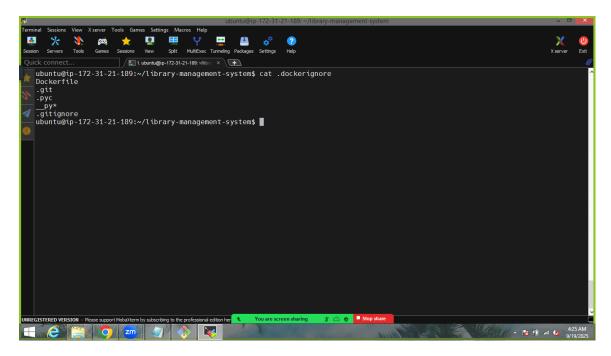
1: Wrote a Dockerfile for a Python flask application and exposed the container to port number 500



2: Multistage docker builds for the python library management flask app.



Also included the .dockerignore file to exclude the spare files which are not neccessory for application.



## 3: Differences between image vs container vs volume vs network in Docker.

**image:** A docker image is the blueprint or template from we create the containers.

**container:** A container is the running instance of an image that includes all the dependenceis of the application.

**volumes:** Volumes are like attached storage device to the container like if the container gets crashed the data does not lose i.e. volumes provide data persistent.

**network:** Docker networking is the concept how containers communicate with each other.