DevOps Assignment Report

Errors:

I) Nginx Dockerfile (nginx directory)

1. Corrected the syntax nginx:latests to nginx:latest(first line).
2. Corrected nginix.conf and htmll typos to nginx.conf and html respectively.
3. Changed EXPOSE "eighty" command to EXPOSE 80 (AS Docker expects a port number, not text).
4. Fixed syntax in CMD statement: "daemon of;" which should be "daemon off;".
5. Commented this line as there was no html file linked COPY ../html /usr/share/nginx/html

II) Dockerfile IN Python Directory

1. Corrected the typos appy.py to app.py(correct name of file) and pythn to python.
2. Change EXPOSE "eight thousand" to EXPOSE 8000

III) docker-compose.yaml

1. Replace "eighty:80" with "80:80" under nginx.
2. Replace "eight thousand" with "8000" under python-app.
3. Corrected another typo in the volumes path for the Nginx configuration file from nginx.confi to nginx.conf.
4. Replaced bridg with bridge in the network driver.
5. Removed compelex_option as there was no specific configuration option to include.

IV) nginx.config file

1. Corrected typo worker_connection to worker_connections.
2. Corrected typo mime.typess to mime.types.
3. Corrected typo from default_typ to default_type.

After removing the errors I performed two commands on the terminal (for building the images):

1. docker build -t local-nginx .
2. docker build -t local-python-app .

Then , I ran the command docker-compose up to launch the containers and all services in docker-compose,yaml file.
Additionaly, the command docker ps gave me the container id 5d90d8c5da41 and then I ran the command docker logs 5d90d8c5da41 to view the access logs.