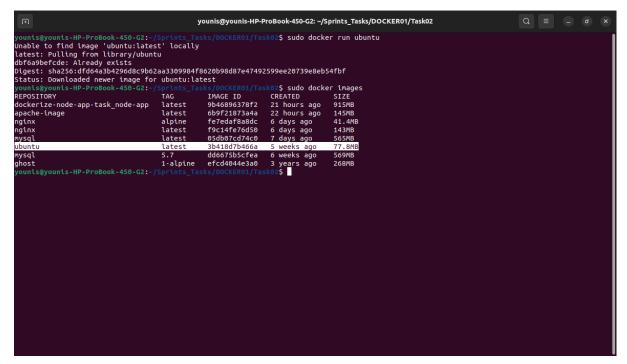
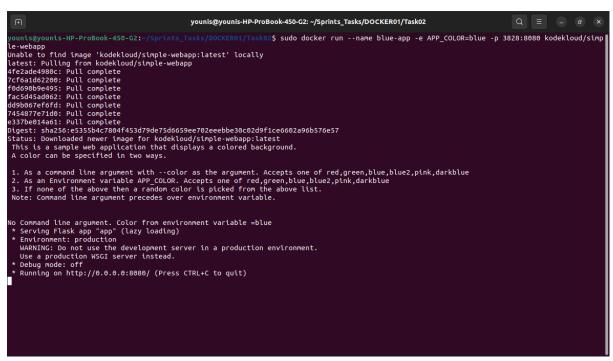
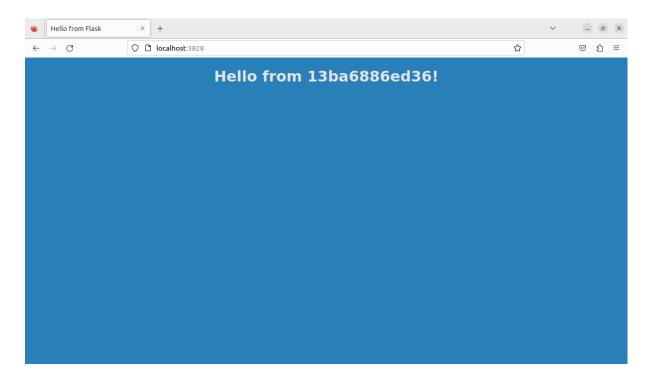
## Run an instance of nginx:alpine with a name nginx and map port 8080 on the container to 3828 on the host

## Create ubuntu image and check the size of it



Run a container named blue-app using image KodeKloud/simple-webapp and set the environmet variable APP\_COLOR to blue. make the app available on port 3828 on the host. the app listens on port 8080



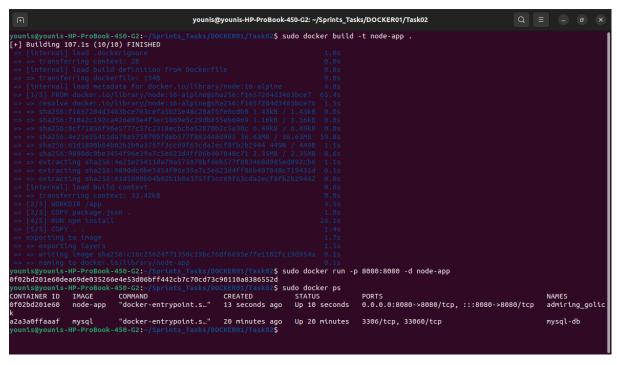


Deploy a mysql database using the mysql image and name it mysql-db. set the database password to use db\_pass123 then inspect it to check the value

```
younis@younis-HP-ProBook-450-G2: -/Sprints_Tasks/DOCKER01/Task02$ sudo docker run --name mysql-db -e MYSQL_ROOT_PASSWORD=db_pass123 -d mysql a2a3a0ffaaaf9624b50d28cb84594f5aa5633d016091a757b3f1f10573e0e982 younis@younis-HP-ProBook-450-G2: -/Sprints_Tasks/DOCKER01/Task02$
```

## Pull the code from

## https://github.com/sabreensalama/simple-flask-app/tree/main and create a docker file for this flask app







Create a volume called mysql\_data, run a mysql container again, but this time map a volume to the container so that the data stored by the container is stored at /opt/data on the host. use the same name: mysql-db and same password: db\_pass123 as before. Mysql stores data at /var/lib/mysql inside the container

