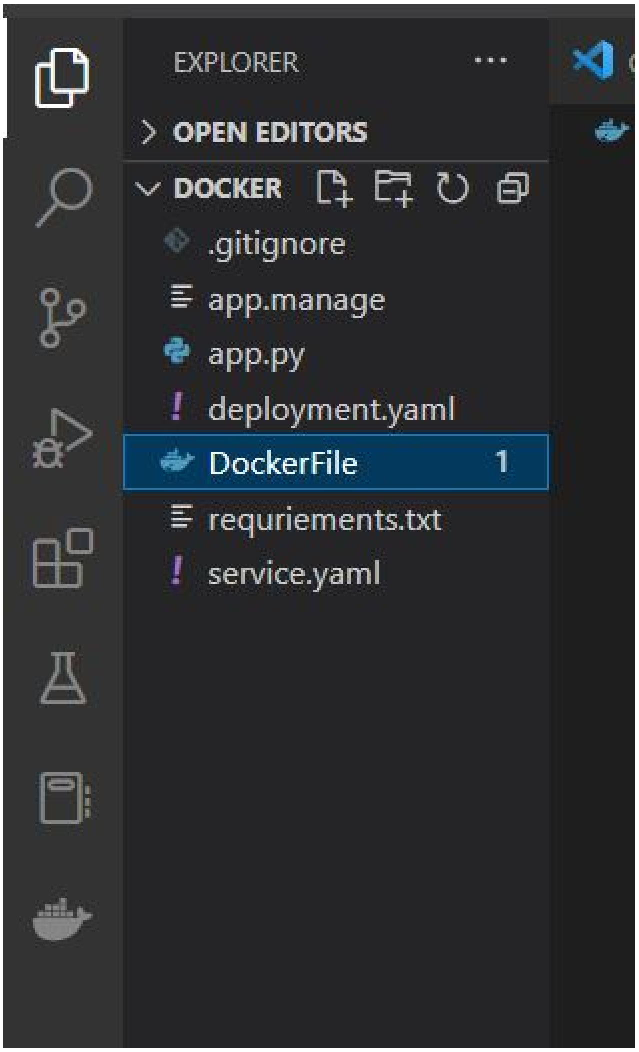
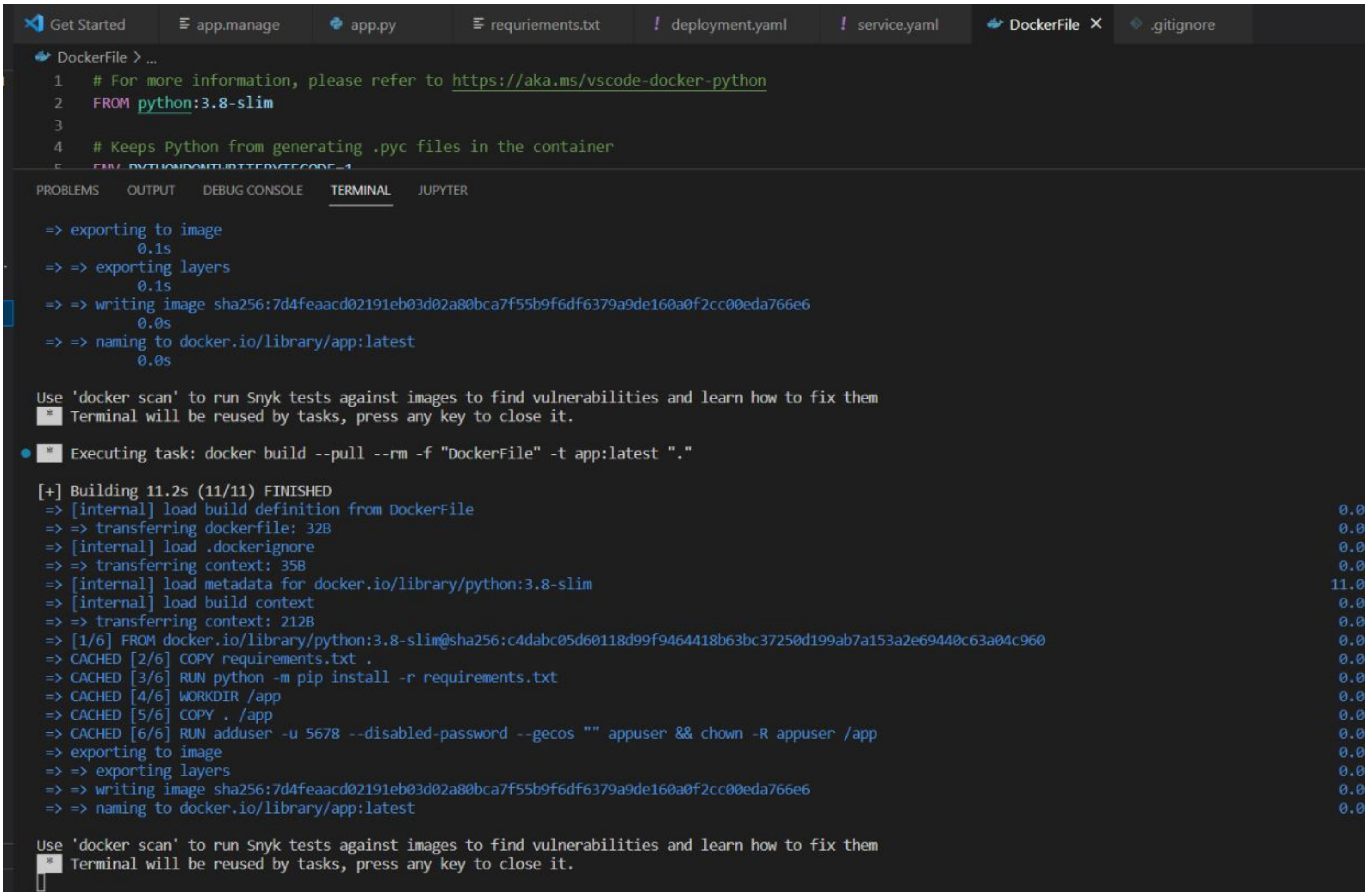
Deployment of App in IBM Cloud
Containerize the App

TEAM ID	PNT2022TMID11404
Project Name	Nutrition Assistant Application

STEP 1 : Create the docker file and paste the code.



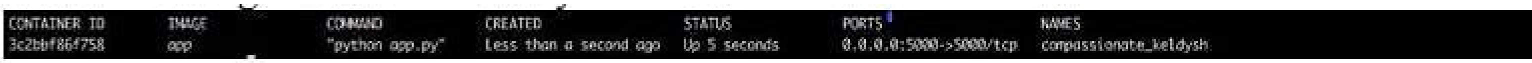
STEP 2 : Build an image from the docker file.



```
# For more information, please refer to https://aka.ms/vscode-docker-python
FROM python:3.8-slim

# Keeps Python from generating .pyc files in the container
```

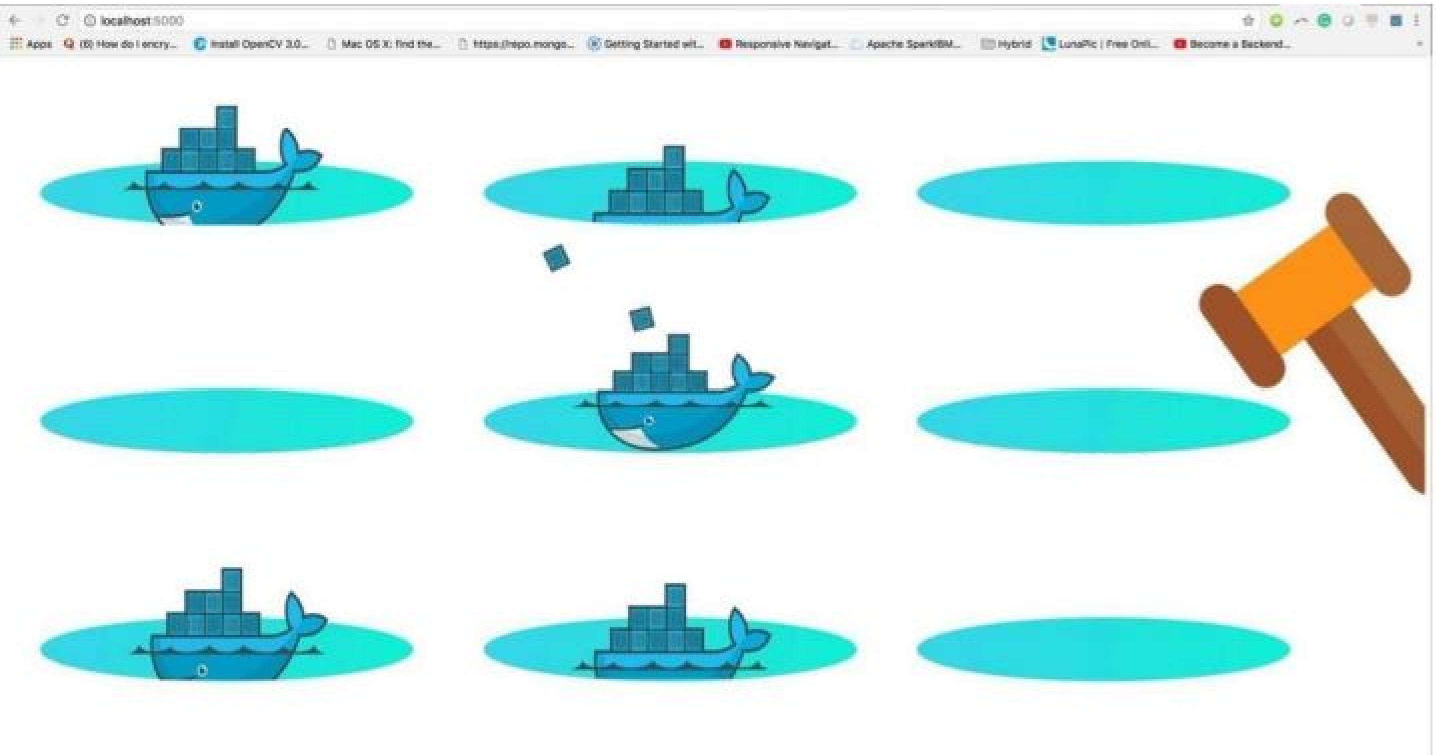
```
 => exporting to image
          0.1s
 => => exporting layers
          0.1s
 => => writing image sha256:7d4feaacd02191eb03d02a80bca7f55b9f6df6379a9de160a0f2cc00eda766e6
          0.0s
 => => naming to docker.io/library/app:latest
          0.0s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
 *  Terminal will be reused by tasks, press any key to close it.

 *  Executing task: docker build --pull --rm -f "DockerFile" -t app:latest "."

[+] Building 11.2s (11/11) FINISHED
 => [internal] load build definition from DockerFile                                                                          0.0
 => => transferring dockerfile: 32B                                                                                          0.0
 => [internal] load .dockerignore                                                                                            0.0
 => => transferring context: 35B                                                                                             0.0
 => [internal] load metadata for docker.io/library/python:3.8-slim                                                          11.0
 => [internal] load build context                                                                                            0.0
 => => transferring context: 212B                                                                                            0.0
 => [1/6] FROM docker.io/library/python:3.8-slim@sha256:c4dabc05d60118d99f9464418b63bc37250d199ab7a153a2e69440c63a04c960      0.0
 => CACHED [2/6] COPY requirements.txt .                                                                                     0.0
 => CACHED [3/6] RUN python -m pip install -r requirements.txt                                                               0.0
 => CACHED [4/6] WORKDIR /app                                                                                                0.0
 => CACHED [5/6] COPY . /app                                                                                                 0.0
 => CACHED [6/6] RUN adduser -u 5678 --disabled-password --gecos "" appuser && chown -R appuser /app                         0.0
 => exporting to image                                                                                                       0.0
 => => exporting layers                                                                                                      0.0
 => => writing image sha256:7d4feaacd02191eb03d02a80bca7f55b9f6df6379a9de160a0f2cc00eda766e6                                 0.0
 => => naming to docker.io/library/app:latest                                                                                0.0

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
 *  Terminal will be reused by tasks, press any key to close it.
```

STEP 3 : Run your Container Locally



```
CONTAINER ID   IMAGE   COMMAND           CREATED                  STATUS         PORTS                    NAMES
3c2bbf86f758   app     "python app.py"   Less than a second ago   Up 5 seconds   0.0.0.0:5000->5000/tcp   compassionate_keldysh
```

STEP 4 : Output


localhost:5000
Apps
(6) How do I encry...
Install OpenCV 3.0...
Mac OS X: find the...
https://repo.mongo...
Getting Started wit...
Responsive Navigat...
Apache Spark|IBM...
Hybrid
LunaPic | Free Onli...
Become a Backend...