CONTAINERIZE THE APP

Team ID	PNT2022TMID35705
Project Name	Personal Expense Tracker

Docker File:

```
FROM python:3.6
WORKDIR /app
ADD . /app
RUN python3 -m pip install -r requirements.txt
ENTRYPOINT [ "python" ]
CMD ["app.py" ]
```

Docker Build

```
docker build . -t tracker:v1
```

```
ubuntu@ip-172-31-6-75:~/ibm-prj$ docker build . -t tracker:v1
Sending build context to Docker daemon  13.32MB
Step 1/6 : FROM python:3.6
 ---> 54260638d07c
Step 2/6 : WORKDIR /app
 ---> Using cache
 ---> 0113e79a85d8
Step 3/6 : ADD ./personal-expense-tracker /app
 ---> Using cache
 ---> e5f3e34c2240
Step 4/6 : RUN python3 -m pip install -r requirements.txt
 ---> Using cache
 ---> d5b3dd7e23f9
Step 5/6 : ENTRYPOINT [ "python" ]
 ---> Running in 295397fbc53b
Removing intermediate container 295397fbc53b
 ---> 67fc381069e2
Step 6/6 : CMD ["app.py" ]
 ---> Running in c70c9896b4e1
Removing intermediate container c70c9896b4e1
 ---> a45f903e91b7
Successfully built a45f903e91b7
Successfully tagged tracker:v1
```

Docker Images:

```
ubuntu@ip-172-31-6-75:~/ibm-prj$ docker images
REPOSITORY      TAG        IMAGE ID        CREATED          SIZE
tracker         v1         a45f903e91b7    12 minutes ago   1.1GB
```

Docker Run

docker run -it -d -p :8080 tacker:v1

```
d1bde154e028    tracker:v1    python app.py    13 minutes ago   up 13 minutes    0.0.0.0:49155->8080/t
ubuntu@ip-172-31-6-75:~/ibm-prj$ docker run -d -p :8080 tracker:v1
8912900c4205da34b2c3e3f01f7c143a1515c24c98b714ca727fc9a0bd62c857
ubuntu@ip-172-31-6-75:~/ibm-prj$
```

Docker Container Running on http://127.0.0.1:49155

```
ubuntu@ip-172-31-6-75:~/ibm-prj$ docker ps
CONTAINER ID   IMAGE        COMMAND         CREATED        STATUS        PORTS                                        NAMES
d1bde154e028   tracker:v1   "python app.py"  13 minutes ago  Up 13 minutes  0.0.0.0:49155->8080/tcp, :::49155->8080/tcp   tender_hertz
ubuntu@ip-172-31-6-75:~/ibm-prj$
```