SPRINT 4

Team ID	PNT2022TMID35573
Project Name	Personal Expense Tracker Application

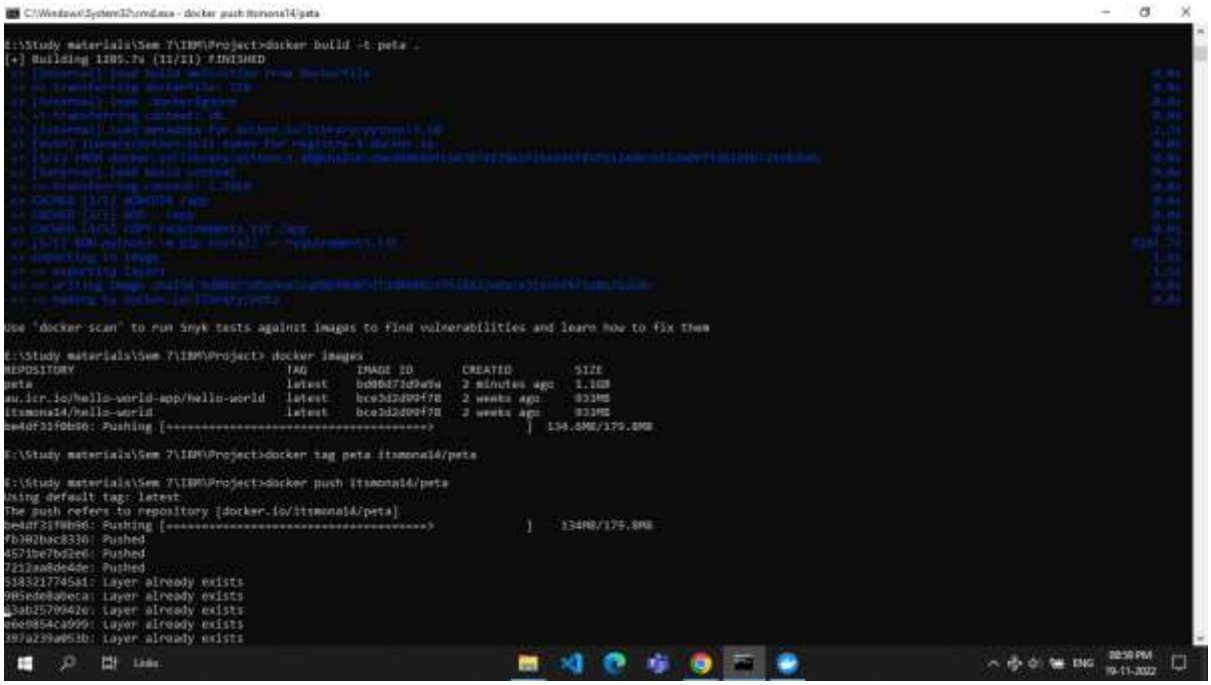
Docker file:

Dockerfile - Notepad

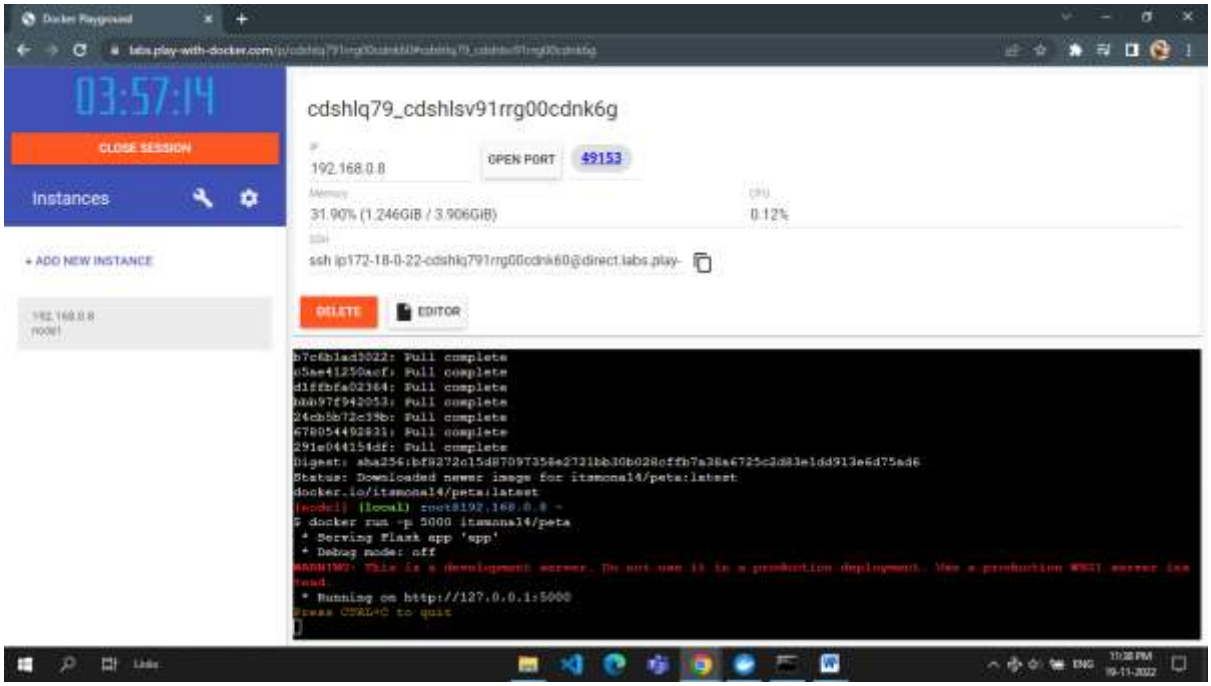
File Edit Format View Help

```
FROM python:3.10
WORKDIR /app
ADD . /app
COPY requirements.txt /app
RUN python3 -m pip install -r requirements.txt
EXPOSE 5000
CMD ["python","app.py"]
```

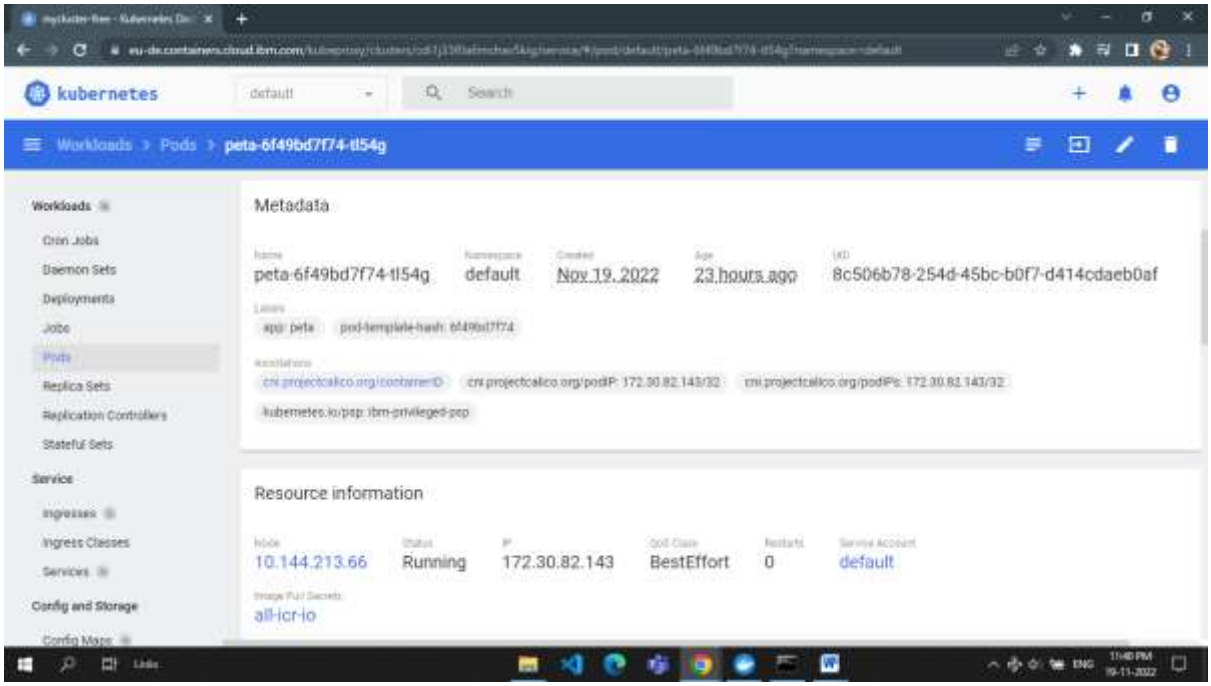
Docker image:

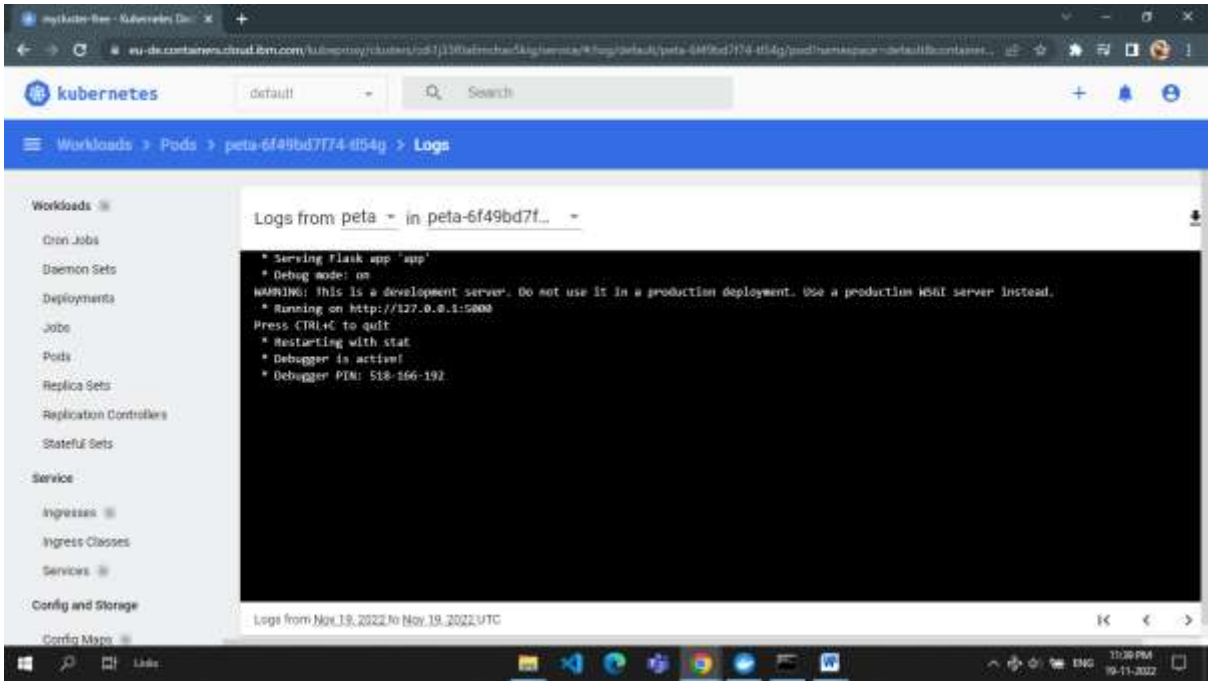


Docker playground:

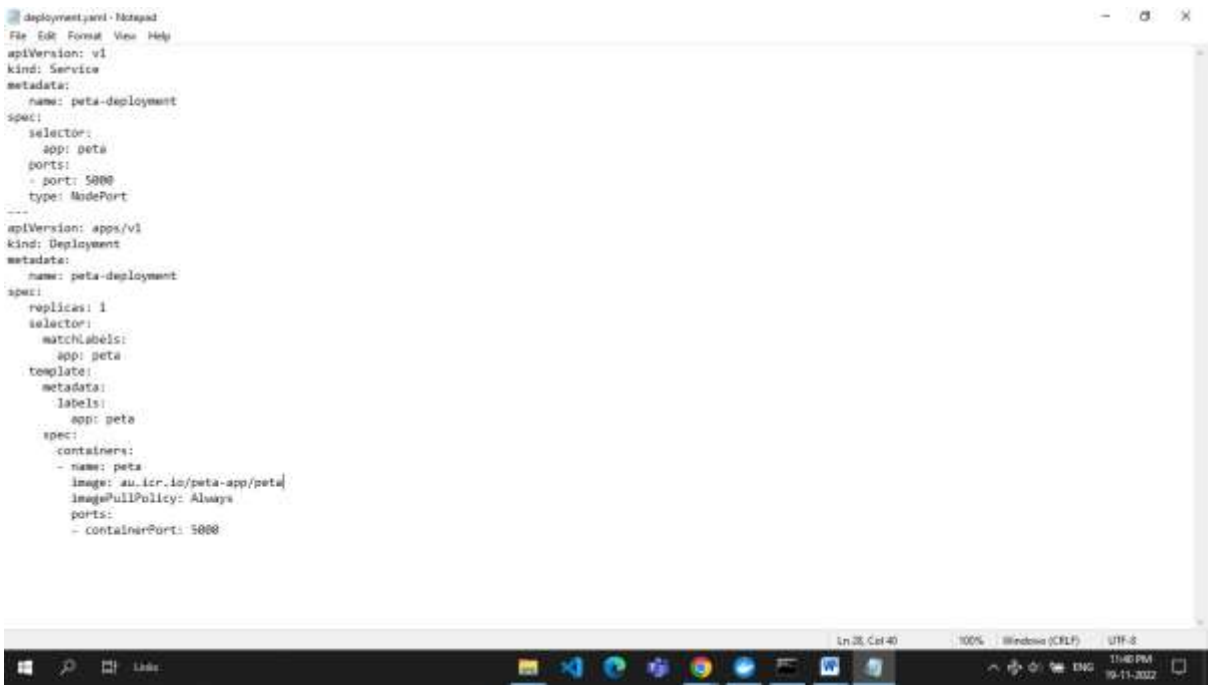


Kubernetes:




kubernetes
default
Search
Workloads > Pods > peta-6f49bd7f74-tl54g > Logs
Workloads
Cron Jobs
Daemon Sets
Deployments
Jobs
Pods
Replica Sets
Replication Controllers
Stateful Sets
Service
Ingresses
Ingress Classes
Services
Config and Storage
Logs from peta in peta-6f49bd7f...
* Serving Flask app 'app'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 518-166-192
Logs from Nov 19, 2022 to Nov 19, 2022 UTC

Code:


deployment.yaml - Notepad
File Edit Format View Help
apiVersion: v1
kind: Service
metadata:
name: peta-deployment
spec:
selector:
app: peta
ports:
- port: 5000
type: NodePort
---
apiVersion: apps/v1
kind: Deployment
metadata:
name: peta-deployment
spec:
replicas: 1
selector:
matchLabels:
app: peta
template:
metadata:
labels:
app: peta
spec:
containers:
- name: peta
image: au.icr.io/peta-app/peta
imagePullPolicy: Always
ports:
- containerPort: 5000