

CONTAINERIZE THE APP

Team ID PNT2022TMID20798

Project Name PERSONAL EXPENSE TRACKER APPLICATION

CREATE A DOCKER



CODE

```
FROM python:2.7
LABEL maintainer="Suriya M S, Suriya.ms@ibm.com"
RUN apt-get update
RUN mkdir /app
WORKDIR /app
COPY . /app
RUN pip install -r requirements.txt
EXPOSE 5000
ENTRYPOINT [ "python" ]
CMD [ "app.py" ]
```

```

11     replicas: 2
12     strategy:
13       type: RollingUpdate
14       rollingUpdate:
15         maxSurge: 1
16         maxUnavailable: 0
17       template:
18         metadata:
19           labels:
20             app: example-app
21         spec:
22           containers:
23             - name: example-app
24               image: aimvector/python:1.0.0
25               imagePullPolicy: Always
26               ports:
27                 - containerPort: 5000
28           resources:
29             requests:
30               memory: "64Mi"
31               cpu: "50m"
32             limits:
33               memory: "256Mi"

```

```

25     imagePullPolicy: Always
26     ports:
27       - containerPort: 5000
28     resources:
29       requests:
30         memory: "64Mi"

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```

PS C:\git\python> kubectl apply -f .\kubernetes\deployments\deployment.yaml
deployment.apps/example-deploy created
PS C:\git\python> kubectl get deploy
NAME          READY  UP-TO-DATE  AVAILABLE  AGE
example-deploy 2/2    2           2          10s
PS C:\git\python> kubectl get pods
NAME                                READY  STATUS    RESTARTS  AGE
example-deploy-d566cf9bc-nzlqk     1/1    Running   0          29s
example-deploy-d566cf9bc-wmph8     1/1    Running   0          29s
PS C:\git\python>

```