

## Deployment of App in IBM Cloud

### Containerize The App

Date	15 November 2022
Team ID	PNT2022TMID3409
Project Name	Personal Expense Tracker Application

### Create a Docker



### Code

```
FROM python:2.7
LABEL maintainer="Reshma P A, Reshma .pa@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-nzlkq  1/1     Running   0           29s
example-deploy-d566cf9bc-wmphi  1/1     Running   0           29s
PS C:\git\python>

```