Deployment of App in IBM Cloud
CONTAINERIZE OF APP

Date	17th November 2022
Team ID	PNT2022TMID30805
Project Name	Inventory Management System For Retailers

Create a Docker

Code

```
FROM python:2.7
LABEL maintainer="Raagul-raagulsridharan01@gmail.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" ]
```

```yaml
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"
```

```yaml
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>
```