DEPLOYMENT OF APP IN IBM CLOUD

CONTAINERIZE THE APP

Team ID	PNT2022TMID53529
Project Name	Customer Care Registry

Step 1: Download Docker Desktop

Step 2: Create an account in docker hub

Step 3: Create a Dockerfile

```
FROM python:3.10.4
WORKDIR /app
COPY requirements.txt ./
RUN pip install -r requirements.txt
COPY . .
EXPOSE 5000
CMD ["python","./app.py"]
```

Step 4: Create a requirements file

```
flask
ibm_db
sendgrid
```

Step 5: Create a docker image.

```
docker build -t <imagename> .
```

Step 6: Create a repository in Docker Hub with the same name as docker image.

Step 7: Tag the docker file with the repository name.


```
E:\CustomerCareRegistry>docker images
REPOSITORY                                          TAG        IMAGE ID       CREATED        SIZE
customercareregistry                                latest     11df8ae13ddb   19 hours ago   1.11GB
snehamuthukumar/customercareregistry                latest     11df8ae13ddb   19 hours ago   1.11GB
jp.icr.io/customercareregistryntp/customercareregistry  latest  11df8ae13ddb   19 hours ago   1.11GB
customer-care-registry-tm-id-53529                  latest     a5fabc22b070   22 hours ago   1.11GB
```

Step 8: Push the docker image to Docker Hub