### **Containerize the App**

Date	19 November 2022
Team ID	PNT2022TMID12716
Project Name	Inventory Management System For Retailers

#### Dockerfile:

```
Dockerfile
1  FROM python:3.10.4
2  WORKDIR /app
3  ADD . /app
4  COPY requirements.txt /app
5  RUN python3 -m pip install -r requirements.txt
6  RUN python3 -m pip install ibm_db
7  EXPOSE 5000
8  ENTRYPOINT ["python"]
9  CMD ["app.py"]
```

## **Building Image:**

docker build -t <image\_name> .

Execute the above command in the working directory where Dockerfile is present

### Run the container:

Docker run -d -p <port>:<port> <image\_name>
Execute the command to run the container in the mentioned port number

```
(myApp) D:\Inventory_Management_System_for_Retailers>docker run -d -p 5000:5000 inventory-mgmt
25eb65cdf5cc7db4171174c02a8a73024a9228d72d440fce1c0556eb764d686f

(myApp) D:\Inventory_Management_System_for_Retailers>docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
25eb65cdf5cc inventory-mgmt "python app.py" 7 seconds ago Up 6 seconds 0.0.0.0:5000->5000/tcp affectionate_chatelet
(myApp) D:\Inventory_Management_System_for_Retailers>
```

Open localhost:5000 or 127.0.0.1:5000 to view the running container



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