**Lab: Test the Golden Path locally by Building and Running Docker Image**

* **Update app/main.yml in coookicutter template.**

from flask import Flask, Response

from prometheus\_client import Counter, generate\_latest, CONTENT\_TYPE\_LATEST

app = Flask(\_\_name\_\_)

REQUEST\_COUNTER = Counter('app\_requests\_total', 'Total number of requests to the root endpoint')

@app.route("/")

def index():

REQUEST\_COUNTER.inc()

return "Hello from {{ cookiecutter.project\_name }}!"

@app.route("/metrics")

def metrics():

return Response(generate\_latest(), mimetype=CONTENT\_TYPE\_LATEST)

if \_\_name\_\_ == "\_\_main\_\_":

app.run(host="0.0.0.0", port=8080)

**4️⃣ Build Docker Image**

bash

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docker build -t my-microservice .

**5️⃣ Run Container**

bash

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(venv) root@ip-172-31-14-172:~/raman-micro# docker run -d --name mycon -p 8080:8080 my-microservice

You should be able to access:

API: curl http://localhost:8080/

Metrics: curl <http://localhost:8080/metrics>

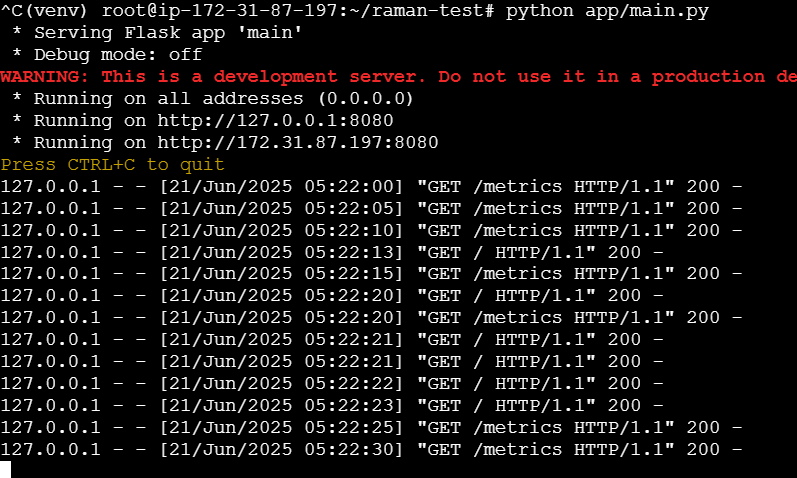
OR

while true; do

curl -s http://localhost:8080/metrics | grep app\_requests\_total

sleep 5

done

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