- 1. *Docker: A. Create a simple Hello-world python flask application and create the docker image of that Flask application.
 - B. Run the docker container from recently created image and run that docker container to 5000 port of host system.

```
mkdir flask_app
cd flask_app
Nano app.py
from flask import Flask
app = Flask(__name__)
@app.route('/')
def hello():
       return "Hello, World!"
if __name__ == '__main__':
       app.run(debug=True, host='0.0.0.0', port=5000)
Nano Dockerfile
# Use the official Python image as a base image
FROM python:3.9
# Set the working directory in the container
WORKDIR /app
# Copy the current directory contents into the container at /app
COPY . /app
# Install Flask
```

RUN pip install flask

Define the command to run the application CMD ["python", "app.py"]

docker build -t flask-hello-world .

docker run -p 5000:5000 flask-hello-world