**PROGRAM FOR DEVOPS:**

**PROGRAM**

from flask import Flask, render\_template, request, redirect

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

# Sample bed data

beds = [

{"hospital": "City Hospital", "total": 100, "available": 23},

{"hospital": "Metro Hospital", "total": 150, "available": 12},

]

@app.route('/')

def index():

return render\_template("index.html", beds=beds)

if \_\_name\_\_ == '\_\_main\_\_':

app.run(host='0.0.0.0', port=5000)

<!doctype html>

<html>

<head><title>Hospital Bed Tracker</title></head>

<body>

<h1>Hospital Bed Availability</h1>

<table border="1">

<tr><th>Hospital</th><th>Total Beds</th><th>Available Beds</th></tr>

{% for bed in beds %}

<tr>

<td>{{ bed.hospital }}</td>

<td>{{ bed.total }}</td>

<td>{{ bed.available }}</td>

</tr>

{% endfor %}

</table>

</body>

</html>

FROM python:3.10

WORKDIR /app

COPY requirements.txt requirements.txt

RUN pip install -r requirements.txt

COPY . .

CMD ["python", "app.py"]

pipeline {

agent any

stages {

stage('Clone Repo') {

steps {

git 'https://github.com/your-username/hospital-bed-tracker.git'

}

}

stage('Build Docker Image') {

steps {

script {

dockerImage = docker.build("hospital-tracker")

}

}

}

stage('Run Docker Container') {

steps {

script {

sh 'docker rm -f hospital-container || true'

sh 'docker run -d -p 5000:5000 --name hospital-container hospital-tracker'

}

}

}

}

}