**Kubernetes**

**Creating YAML File**

version: '3'

services:

myapp:

image: caroline/myapp

- "4000:80" # Map host port 4000 to container port 80

restart: always # Automatically restart the container if it stops

1. **Create a Deployment YAML (**deployment.yml**):**

apiVersion: apps/v1

kind: Deployment

metadata:

name: myapp-deployment

spec:

replicas: 3

selector:

matchLabels:

app: myapp

template:

metadata:

labels:

app: myapp

spec:

containers:

- name: myapp-container

image: caroline/myapp

ports:

- containerPort: 5000