Deployment.yaml file that deploy app on kubernetes

```
deployment.yaml > {} spec > {} template > {} spec > [ ] containers > {} 0 > [ ] ports > {} 0
     apiVersion: apps/v1
     kind: Deployment
 2
 3
     metadata:
      name: calculator-app-deployment
 4
 5
     spec:
 6
       replicas: 2
 7
      selector:
 8
         matchLabels:
 9
         app: nodejs-app
10
      template:
11
         metadata:
           labels:
13
           app: nodeis-app
14
        spec:
          containers:
15
          - name: nodejs-app
16
          image: dennisyup/calculator-app:latest
17
            ports:
18
19
             - containerPort: 4000
20
```

Command that created the deployment

```
• PS I:\Study\BachelorD\2024T1\SIT323-Cloud Native Application Development\6.1p\docker_calculator-upgrade> kubectl apply -f deployment.y aml deployment.apps/calculator-app-deployment created
```

Expose app to the outside

```
service.yaml > {} metadata > metadata >
```

Command that apply the services to Kubernetes cluster

• PS I:\Study\BachelorD\2024T1\SIT323-Cloud Native Application Development\6.1p\docker_calculator-upgrade> kubectl apply -f service.yaml service/calculator-app-service created

Docker image

