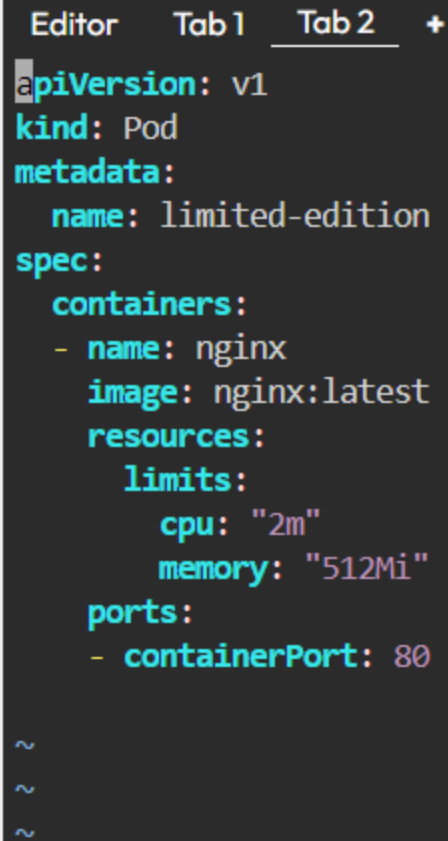


Question 5

Creating **nginx** pod names limited-edition with resource constraints

```
touch limited-edition.yaml
vim limited-edition.yaml
```

```
controlplane $ touch limited-edition.yaml
controlplane $ vim limited-edition.yaml
```

A screenshot of a code editor with two tabs, 'Tab 1' and 'Tab 2'. The 'Tab 2' tab is active and displays the content of a YAML file named 'limited-edition.yaml'. The code is as follows:

```
apiVersion: v1
kind: Pod
metadata:
  name: limited-edition
spec:
  containers:
  - name: nginx
    image: nginx:latest
    resources:
      limits:
        cpu: "2m"
        memory: "512Mi"
    ports:
    - containerPort: 80
```

At the bottom of the editor window, there are three tilde (~) symbols indicating the current line and surrounding context.

Applying to pod

```
kubectl apply -f limited-edition.yaml
```

```
controlplane $ kubectl apply -f limited-edition.yaml
pod/limited-edition created
controlplane $
```

Verifying the pod creation and running state

```
kubectl get pods | grep limited
```

```
Editor  Tab 1  Tab 2  +
controlplane $ kubectl get pods | grep limited
limited-edition          1/1    Running    0          2m2s
controlplane $
```