```
A Namespace in Kubernetes is a virtual cluster inside the main physical cluster.
You can separate environments like:
    dev, test, prod
Default namespaces:
        default → for normal workloads
        kube-system → for system components (e.g., kube-dns)
        kube-public → visible to all (used rarely)
        kube-node-lease → used for heartbeats
YAML Example (Create a Namespace)
apiVersion: v1
kind: Namespace
metadata:
  name: dev
Declare Namespace in the YAML (metadata.namespace)
Example: Pod in a Specific Namespace
apiVersion: v1
kind: Pod
metadata:
  name: mypod
  namespace: dev # 👈 This puts the Pod in the 'dev' namespace
spec:
  containers:
    - name: nginx
      image: nginx
Bonus: Set Default Namespace in Context (Optional)
kubectl config set-context --current --namespace=dev
kubectl apply -f pod.yaml -n dev
kubectl get pods -n dev
kubectl get namespaces
kubectl create namespace myteam
kubectl delete namespace dev
kubectl get pods --namespace=dev
kubectl config set-context --current --namespace=dev
```