**Kubernetes**

● Create deployments and services for two Pods:

○ One for the app version 1.0 from the last homework

notepad deployment-v1.yaml

cat deployment-v1.yaml

A screen shot of a computer program

AI-generated content may be incorrect.

○ One for the app version 2.0 from the last homework

notepad deployment-v2.yaml

cat deployment-v2.yaml

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k3d cluster create mycluster –api-port 6443

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kubectl config set-cluster k3d mycluster –server=https://localhost:6443

–insecure-skip-tls-verify=true

kubectl apply -f deployment-v1.yml

kubectl apply -f deployment-v1.yml

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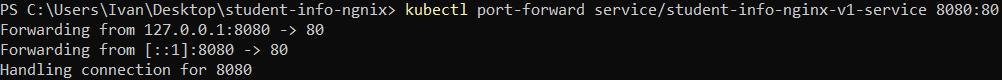
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kubectl get services

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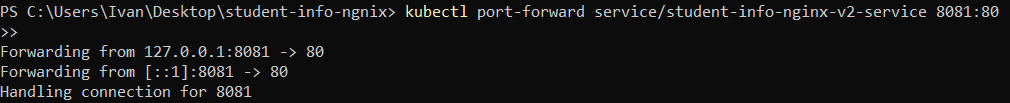
kubectl port-forwars service/student-info-nginx-v1-service 8080:80



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kubectl port-forwars service/student-info-nginx-v2-service 8081:80



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● Installing NGINX Ingress Controller

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kubectl get pods -n ingress-nginx

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● Create ingress pointing to the two apps:

○ path based: localhost/ver1

○ path based: localhost/ver2

○ host based: ver1..com

○ host based: ver2..com

notepad ingress.yaml

cat ingress.yaml

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● Deploy manifests and ingress

kubectl apply -f ingress.yaml



● Access the four ingress rules in your local browse

Editing hosts file

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kubectl get pods-n ingress-nginx

A screen shot of a computer code

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kubectl get ing

