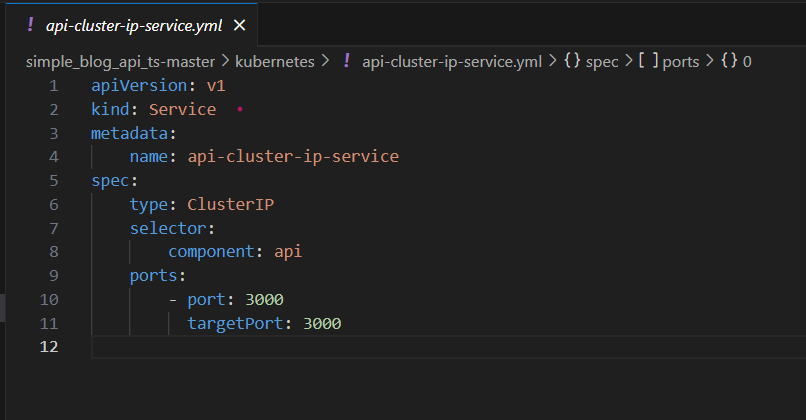
**Kubernetes Project-**

1.api-cluste-ip-service.yml-



2.api-deployment.yml

A screen shot of a computer

Description automatically generated

3. A screen shot of a computer program

Description automatically generated

A screenshot of a computer program

Description automatically generated

A screenshot of a computer program

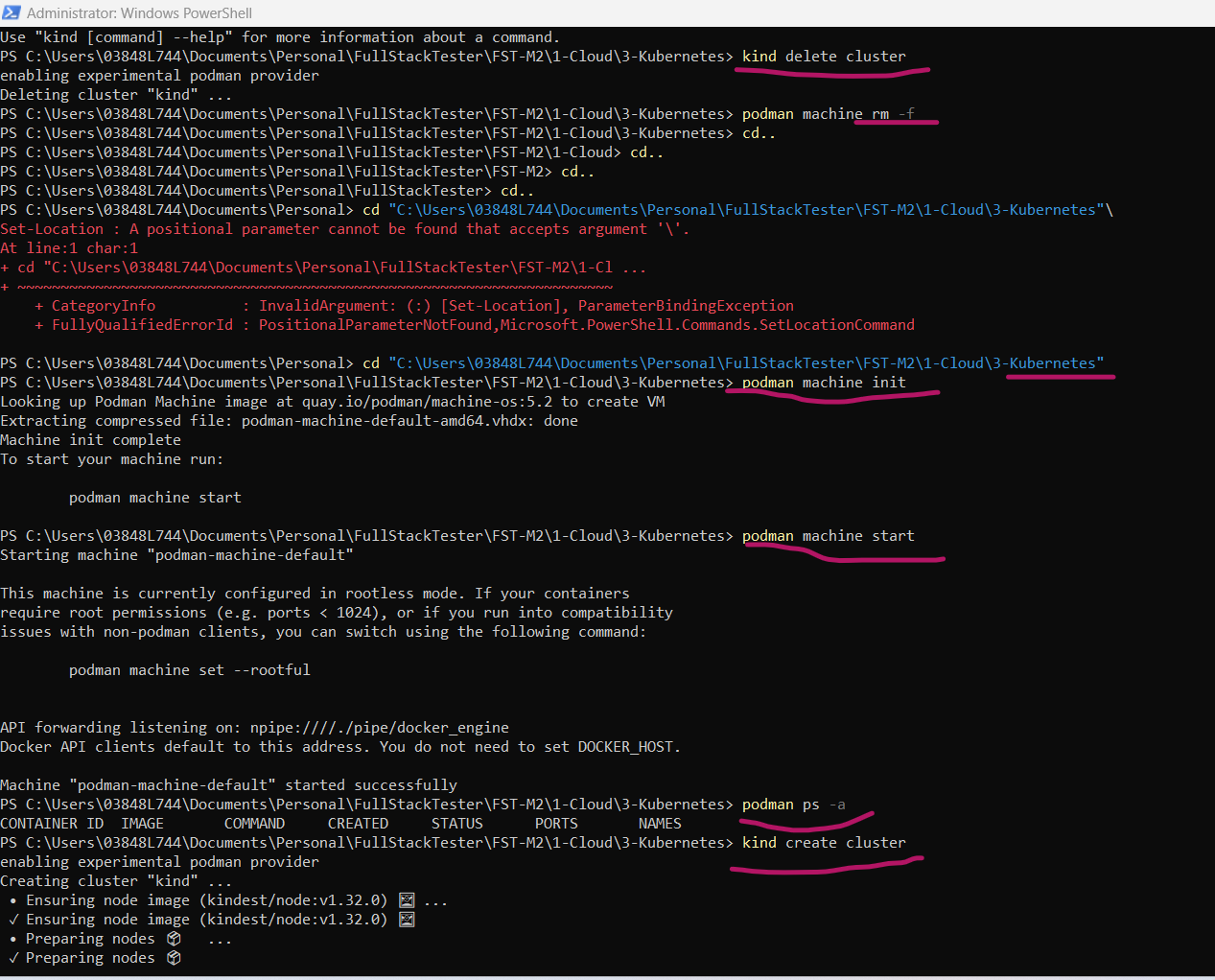
Description automatically generated

A screenshot of a computer

Description automatically generated

A screen shot of a computer program

Description automatically generated



After podman machine start, run kind create cluster -config=config.yml, instead of running >>Kind create cluster.

A screenshot of a computer screen

Description automatically generated

A screenshot of a computer program

Description automatically generated

Run all the deployment yml files using **apply -f deployment.yml.**

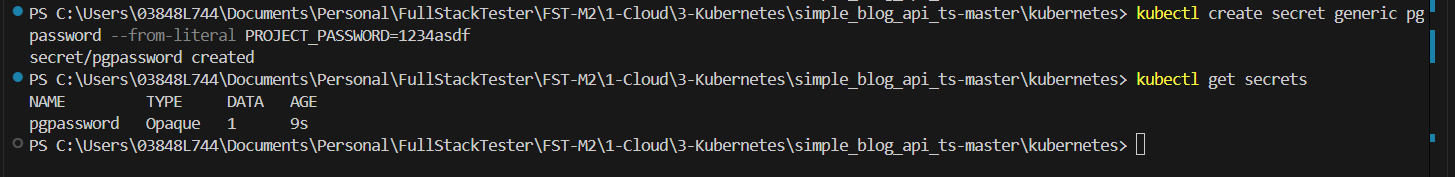
A screen shot of a computer

Description automatically generated

A screen shot of a computer screen

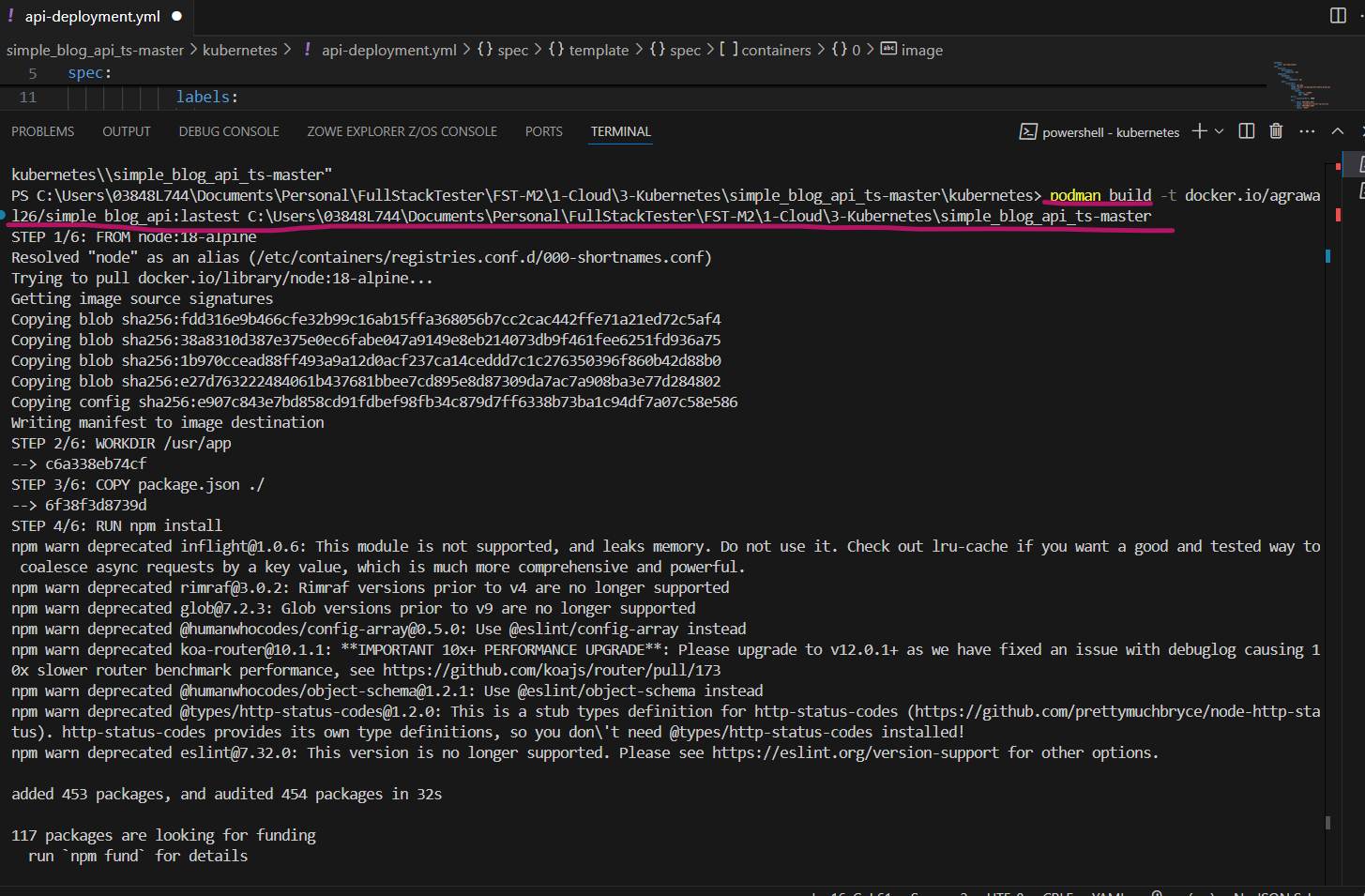
Description automatically generated

Here in pods, we are having errors , need to be in Running status



Run build command

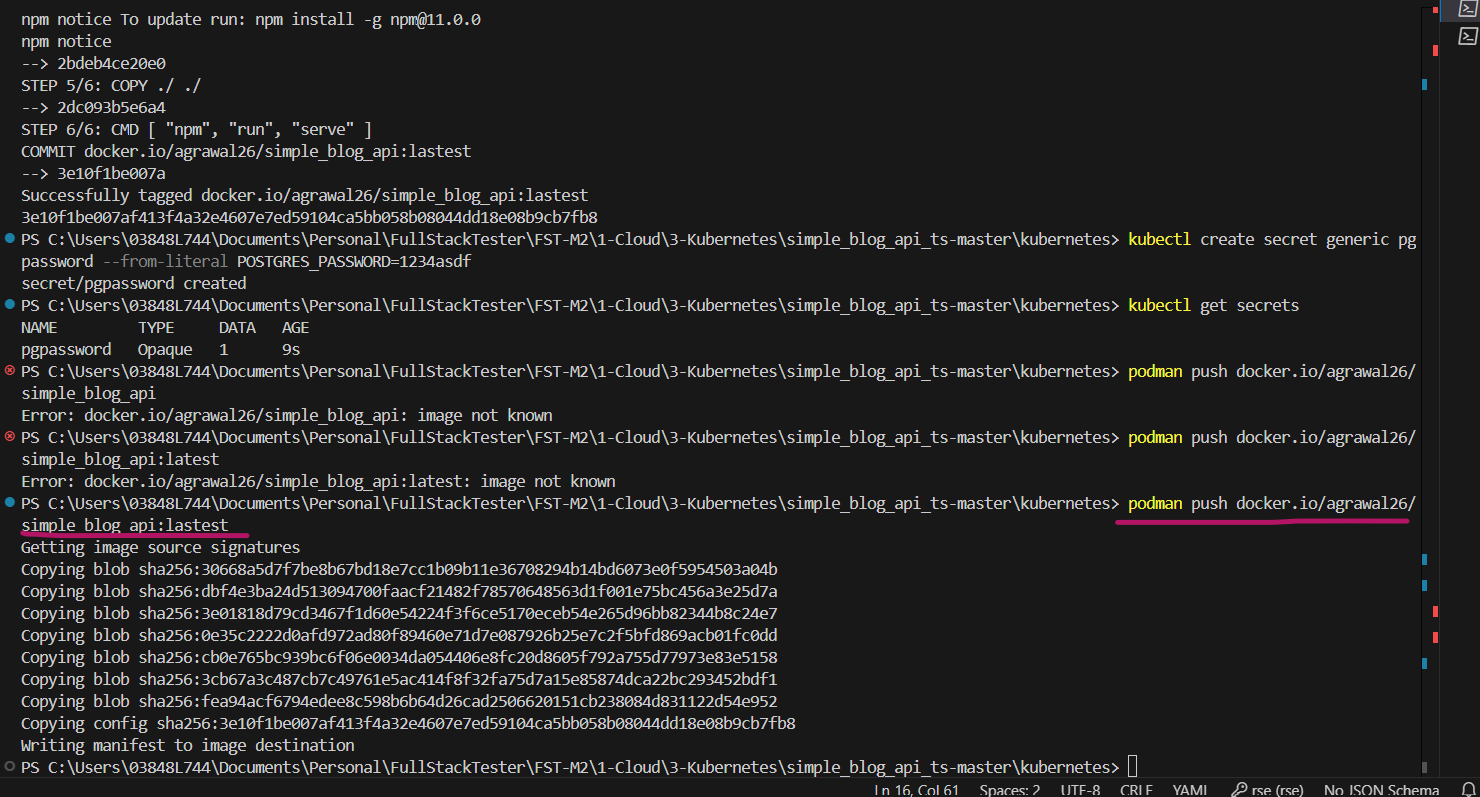
>> podman build -t “docker image name :latest” “ path to the folder which is having dockerfile”



A screenshot of a computer program

Description automatically generated

2. run push command



A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Commands I ran :

* kubectl apply -f https://raw.githubusercontent.com/kubernetes/ingress-nginx/refs/heads/main/deploy/static/provider/kind/deploy.yaml
* kubectl apply -f api-cluster-ip-service.yml
* kubectl apply -f api-deployment.yml
* kubectl apply -f postgres-deployment.yml
* kubectl apply -f postgres-cluster-ip-service.yml
* kubectl apply -f postgres-persistent-volume-claim.yml
* kubectl get namespaces
* kubectl get all -n ingress-nginx
* kubectl create secret generic pgpassword --from-literal PROJECT\_PASSWORD=1234asdf
* kubectl get secrets
* podman build -t docker.io/agrawal26/simple\_blog\_api:lastest C:\Users\03848L744\Documents\Personal\FullStackTester\FST-M2\1-Cloud\3-Kubernetes\simple\_blog\_api\_ts-master
* podman push docker.io/agrawal26/simple\_blog\_api:lastest
* podman image pull docker.io/agrawal26/simple\_blog\_api:lastest
* Kubectl get pods ( to check if all pods are in running status or not)
* hit >> localhost:30000