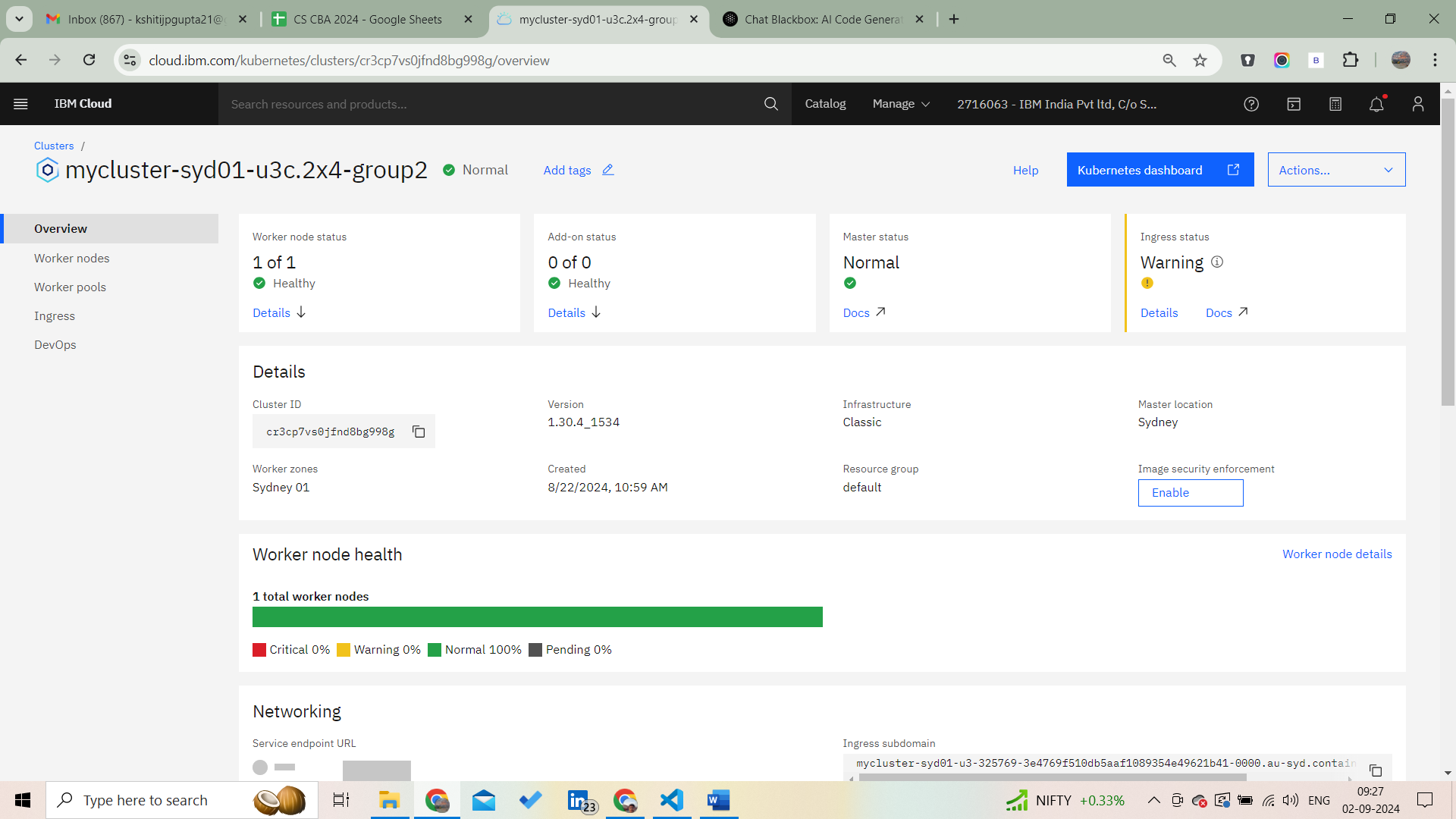
**NAME: KSHITIJ GUPTA**

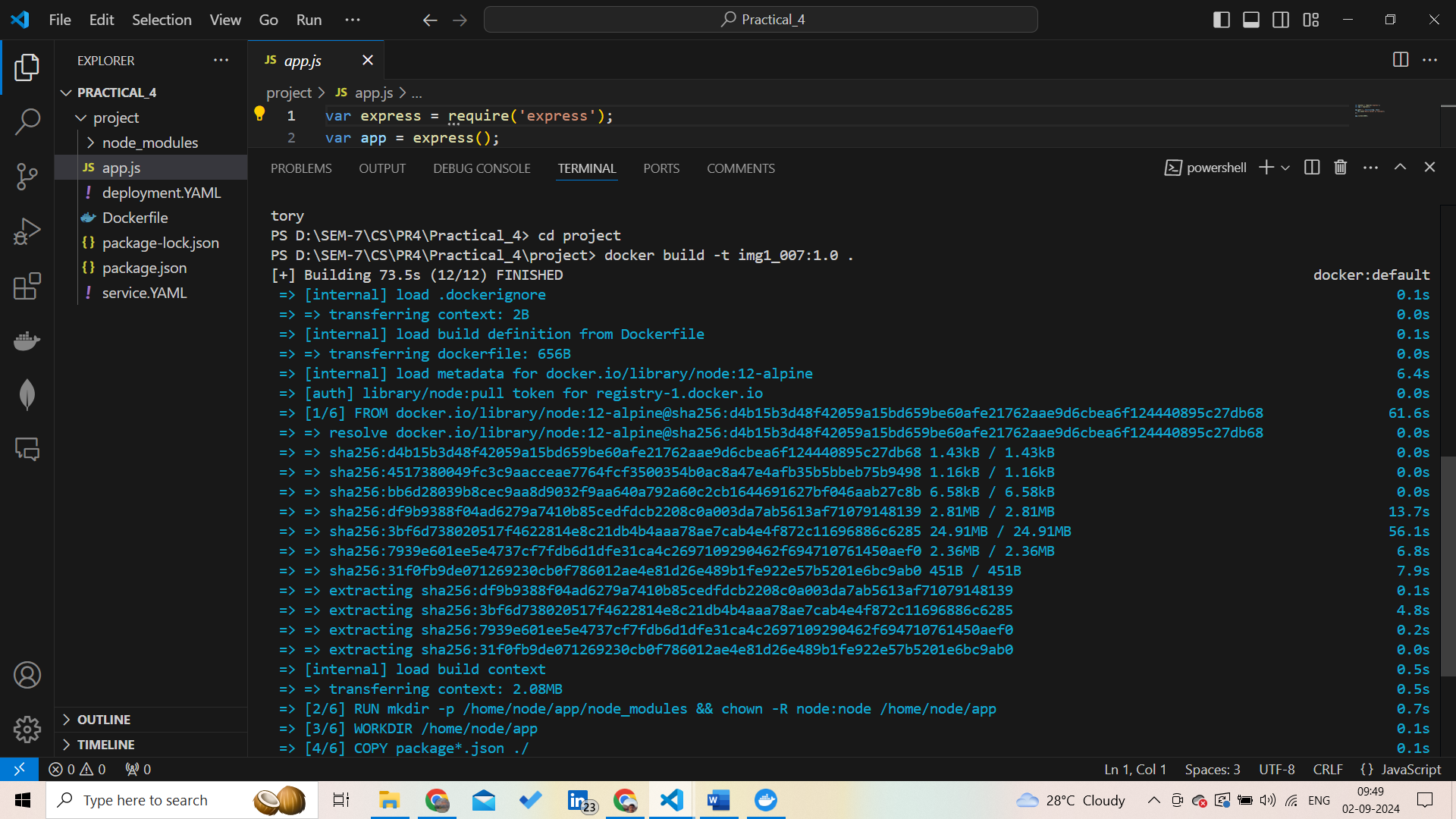
**Enrolment Number: 21162101007**

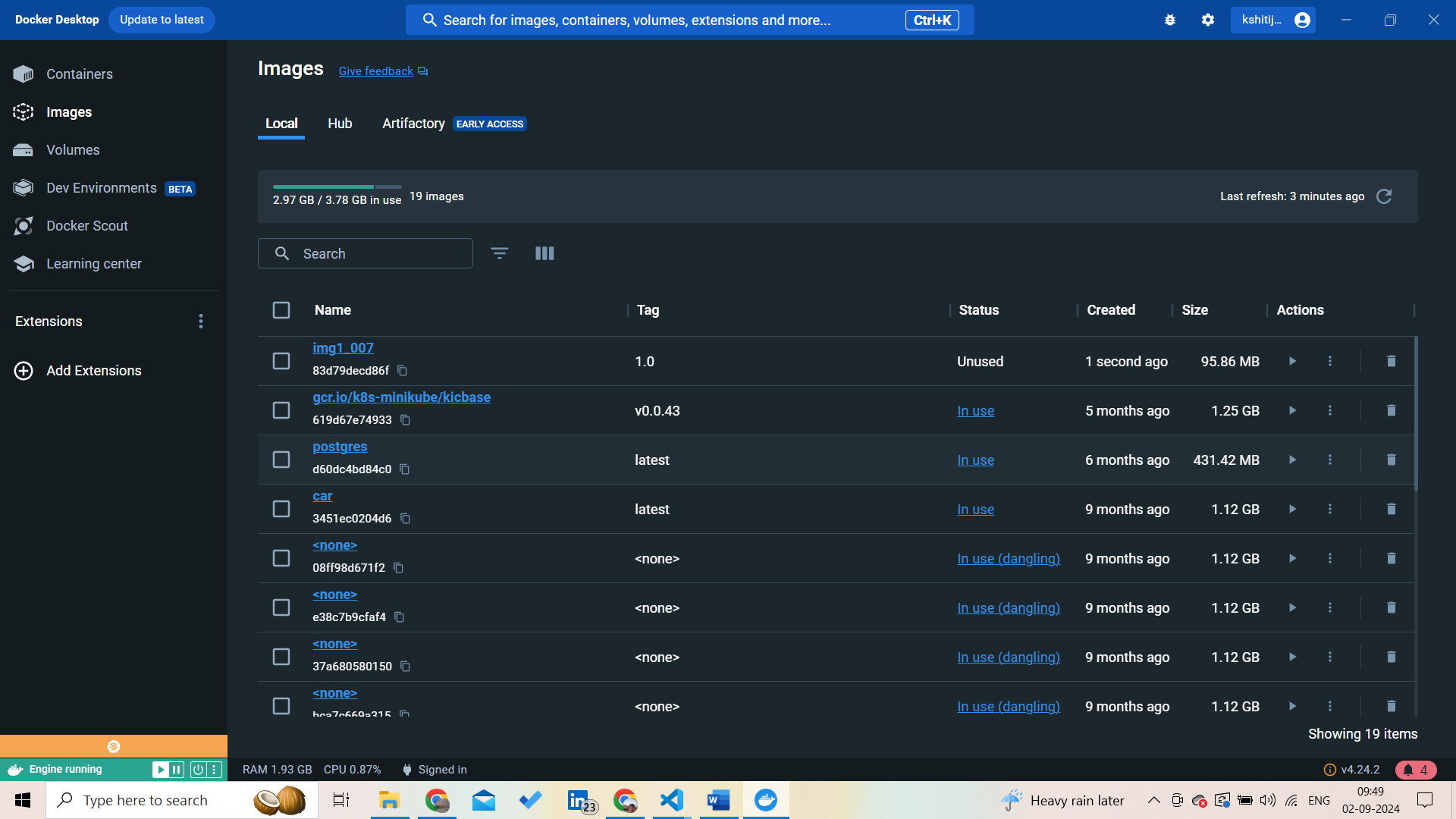
**Sub: CS**

**Practical – 4[Batch-71]**



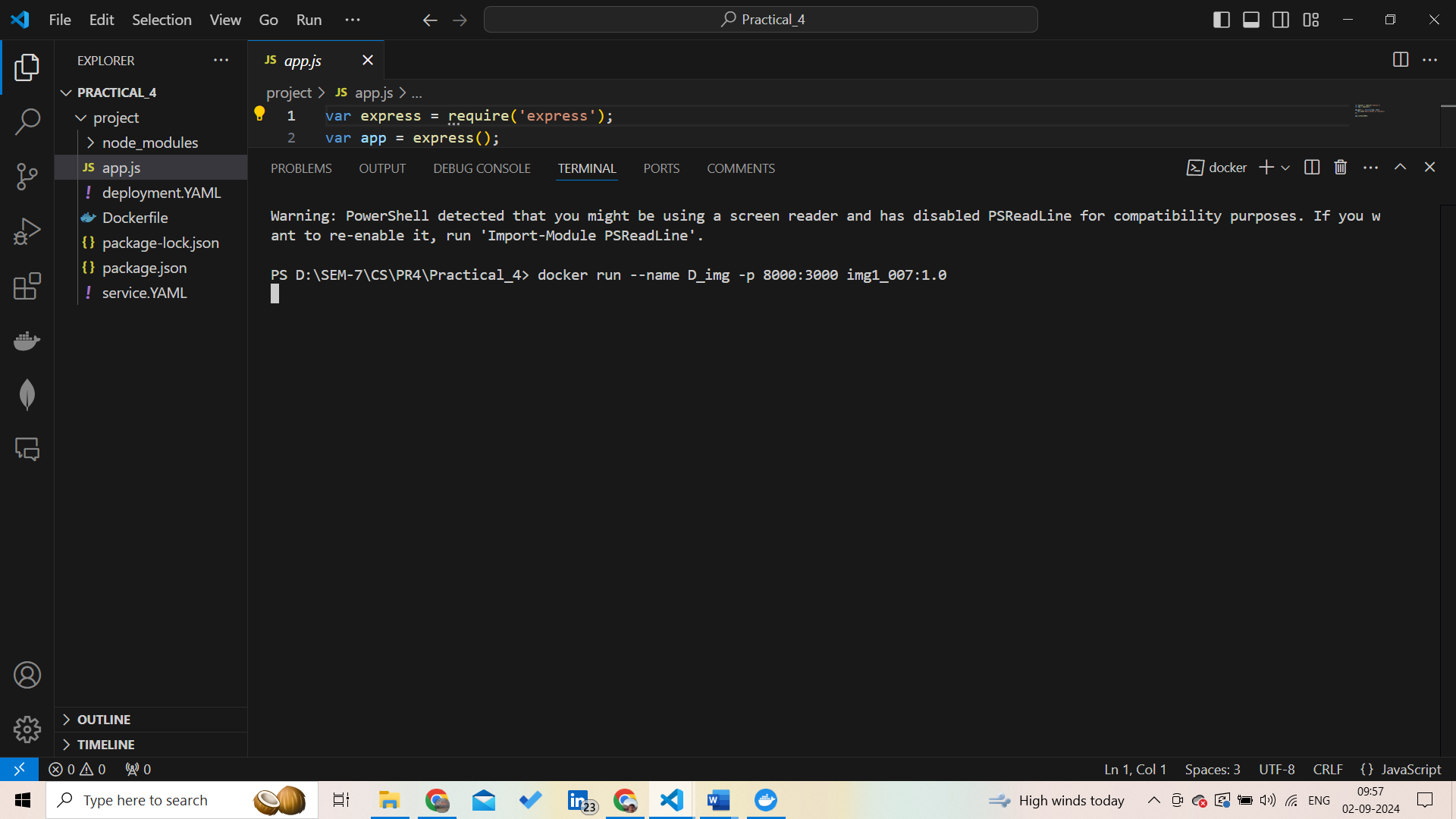
**Step-1: create the image**





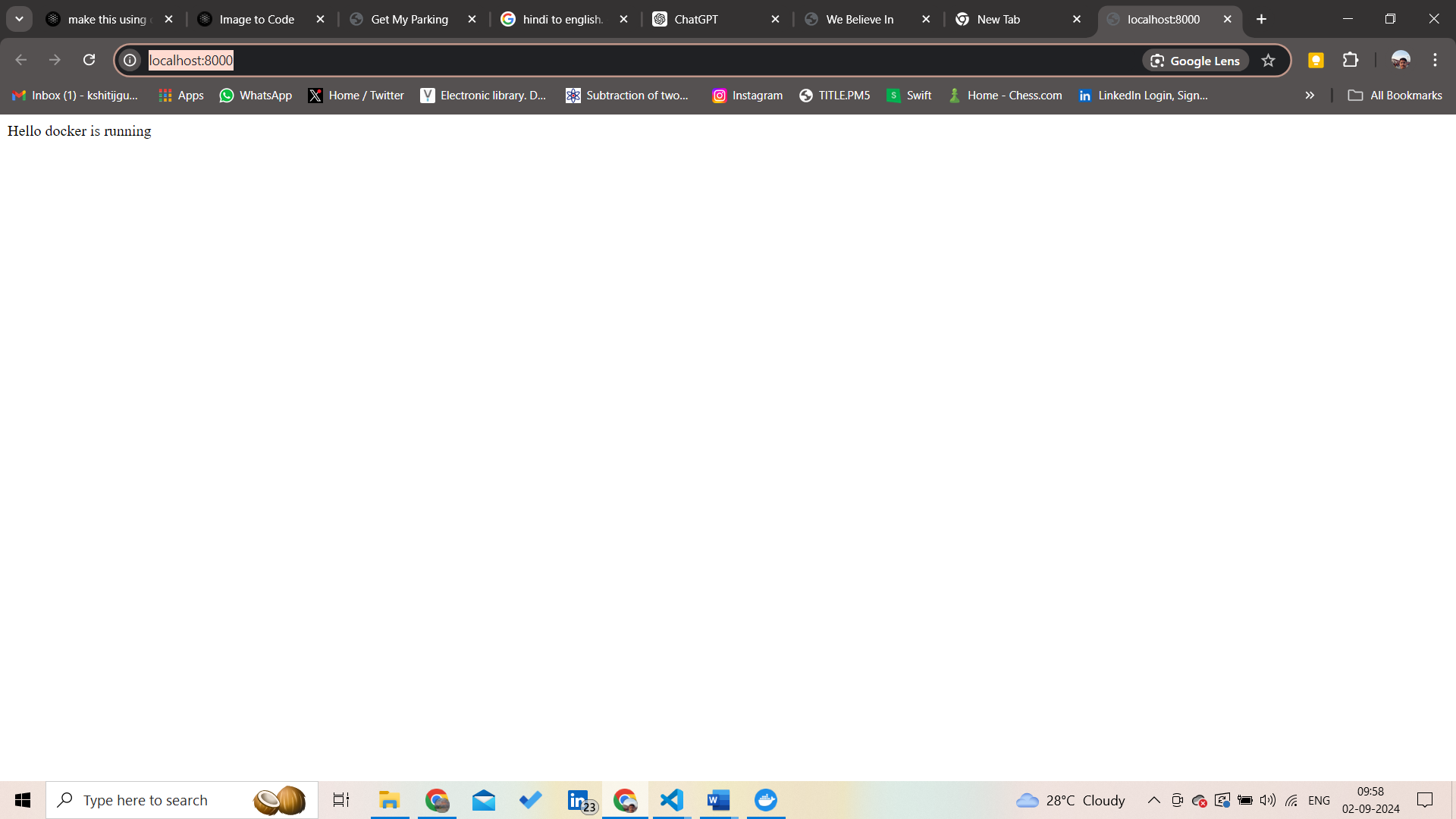


**Step-2: create the container and deploy it**

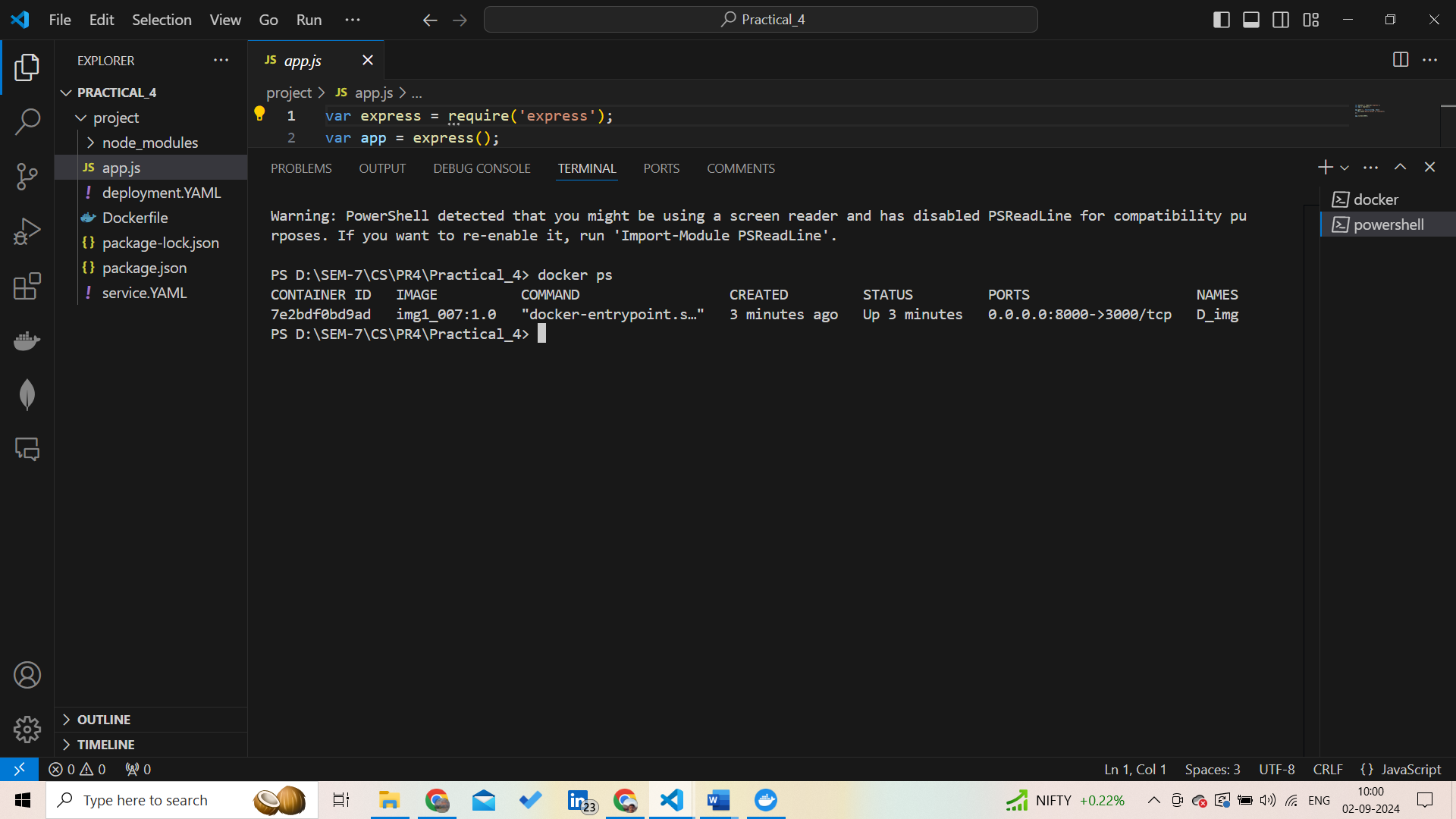


**Verify using Docker: docker run --name D\_img -p 8000:3000 img1\_007:1.0**

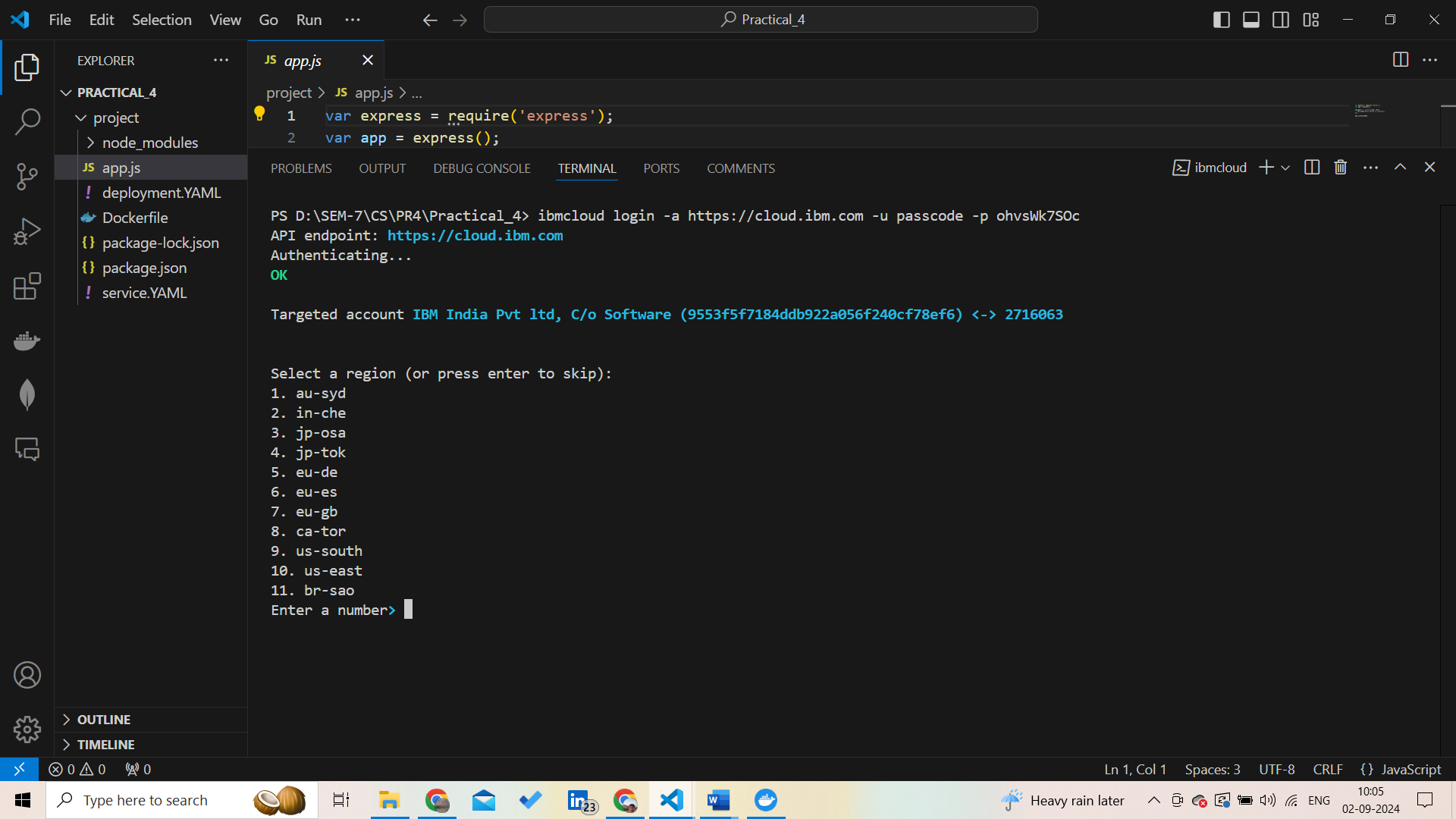




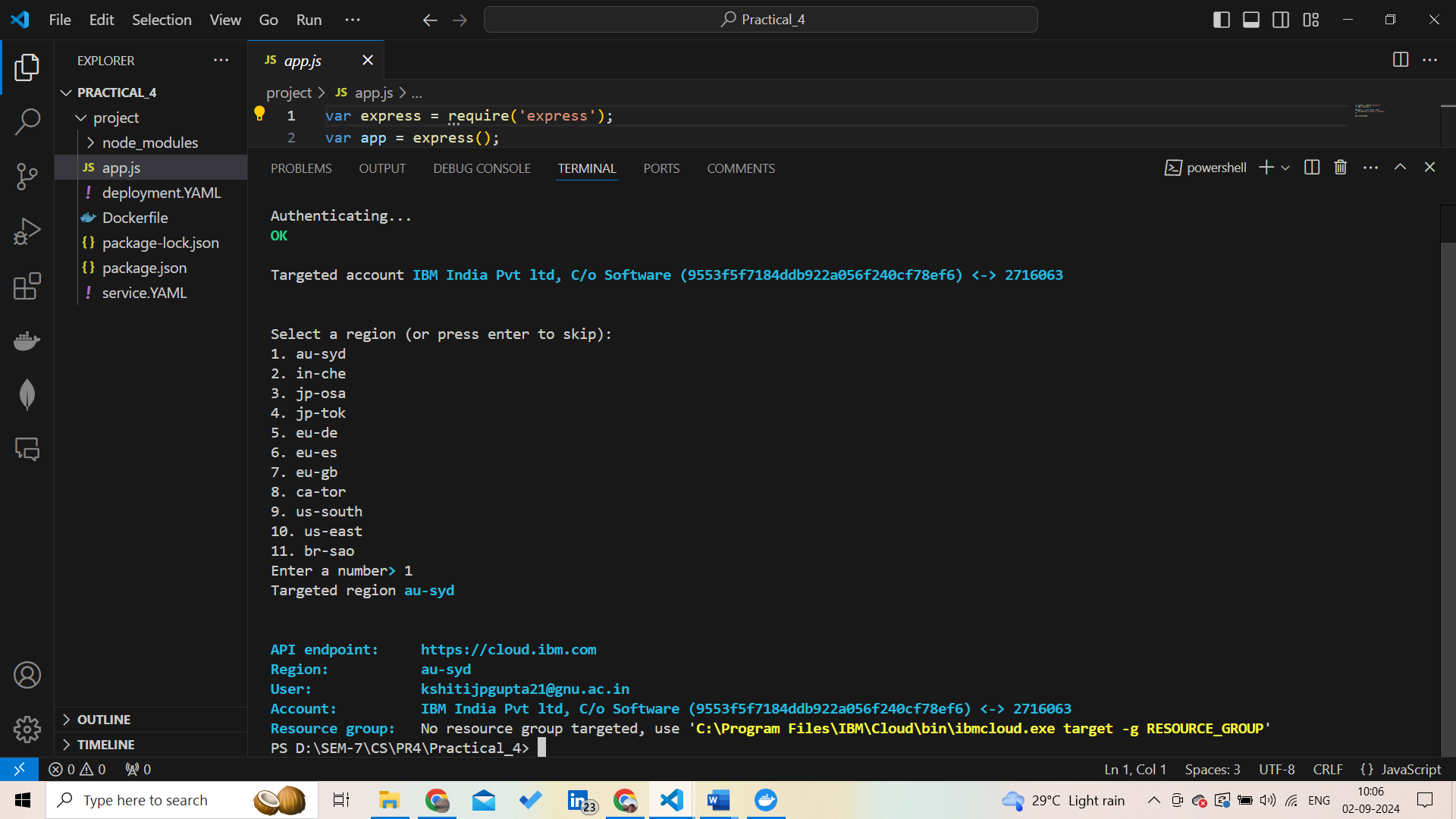
**Cheak list of container:**



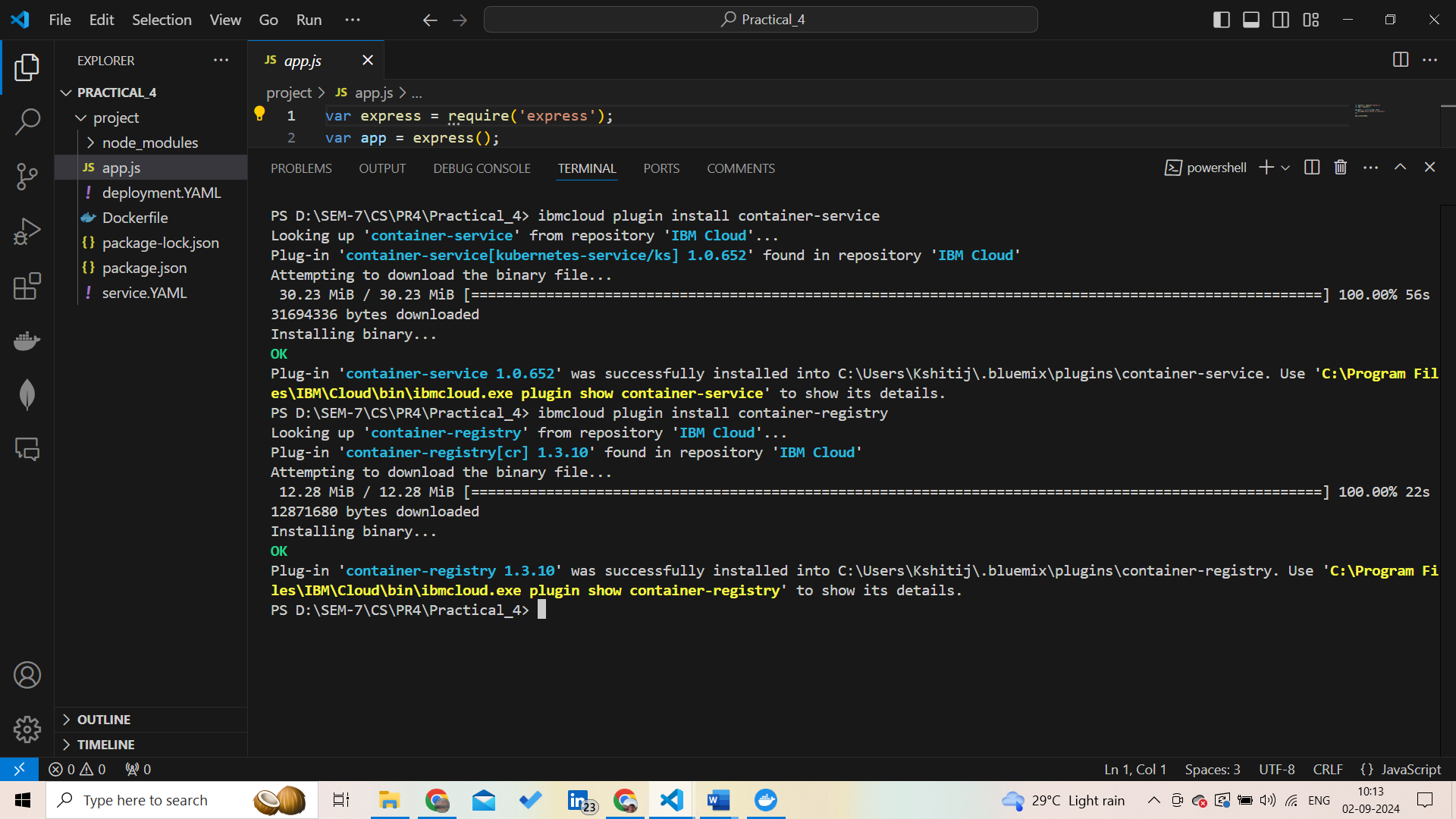
**Step-3: login through cli**



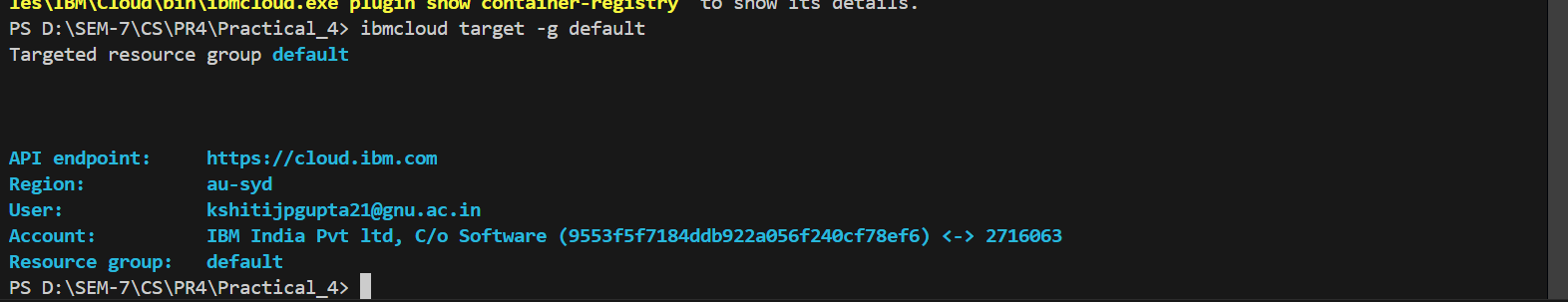
**Select the region:**



**Install some required plugins for work with container registry and kubernetes service:**

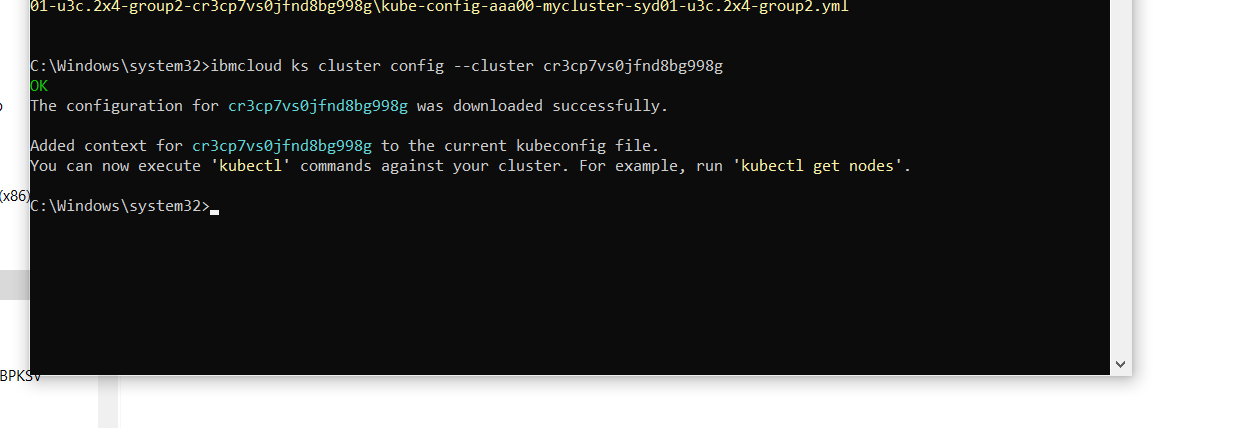


**Set Target:**

****

**Download kubernetes cluster configuration (for this we need cluster ID), WE get once create service on cloud**

Command: ibmcloud ks cluster config –cluster c\_id

****

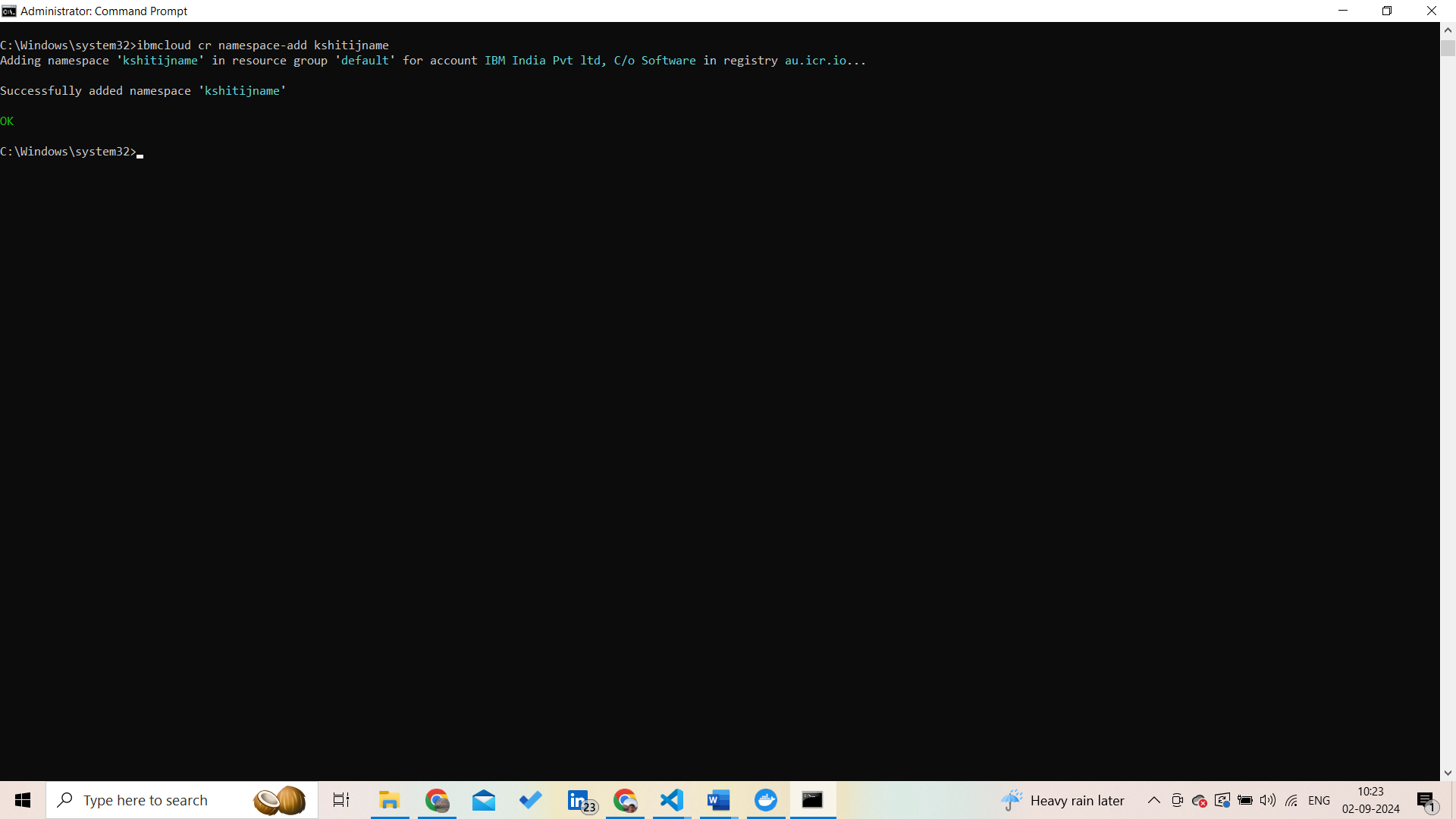
**Run command to check configuration of cluster with which we are going to work:**

Command: kubectl config current-context

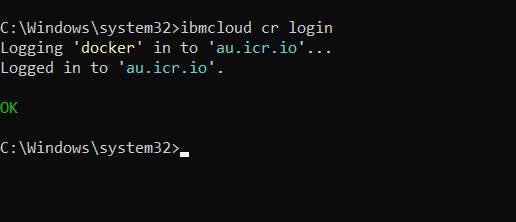
****

**create namespace in container registry run the command(to register container):**

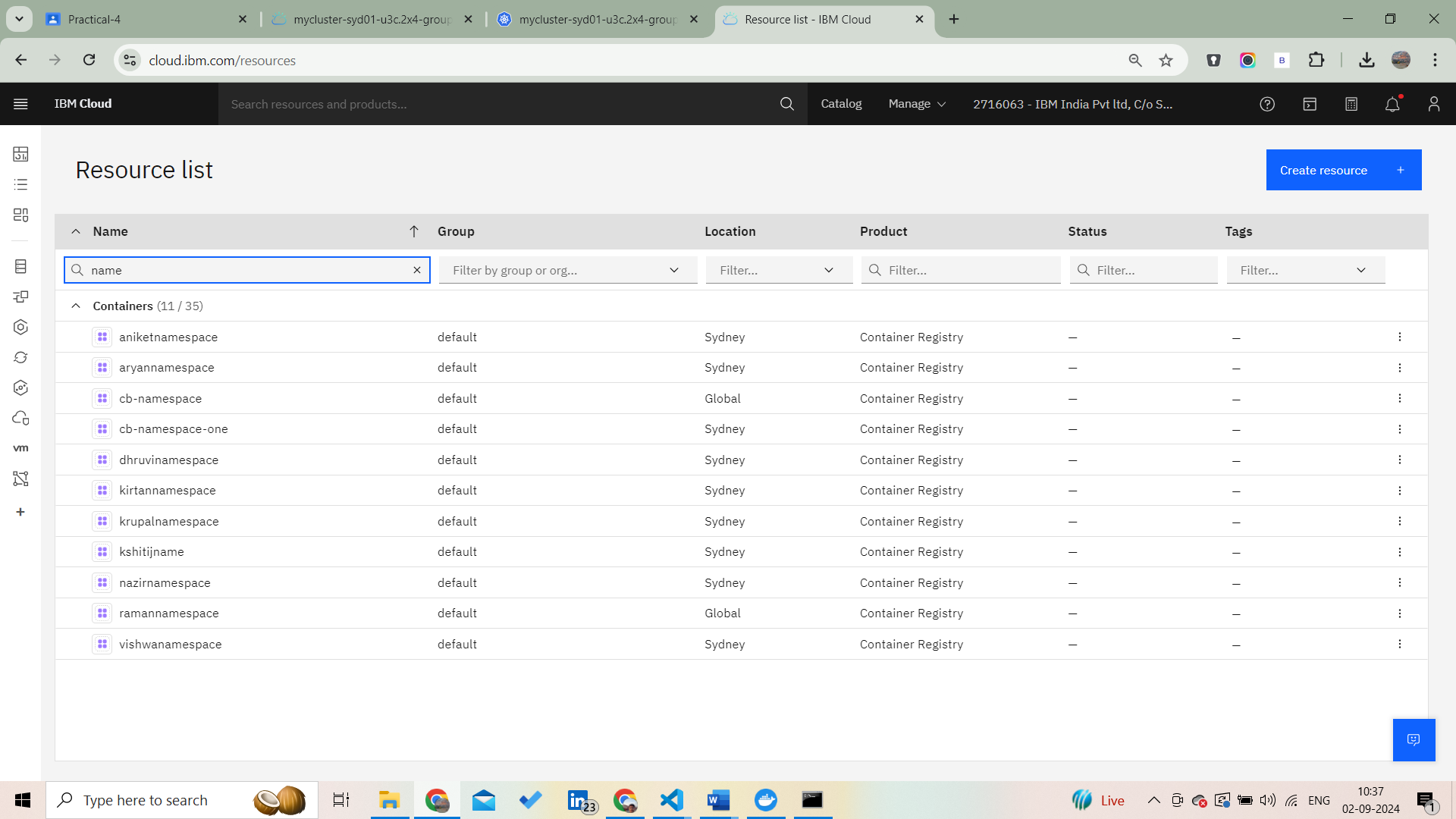
command: ibmcloud cr namespace-add kshitijname



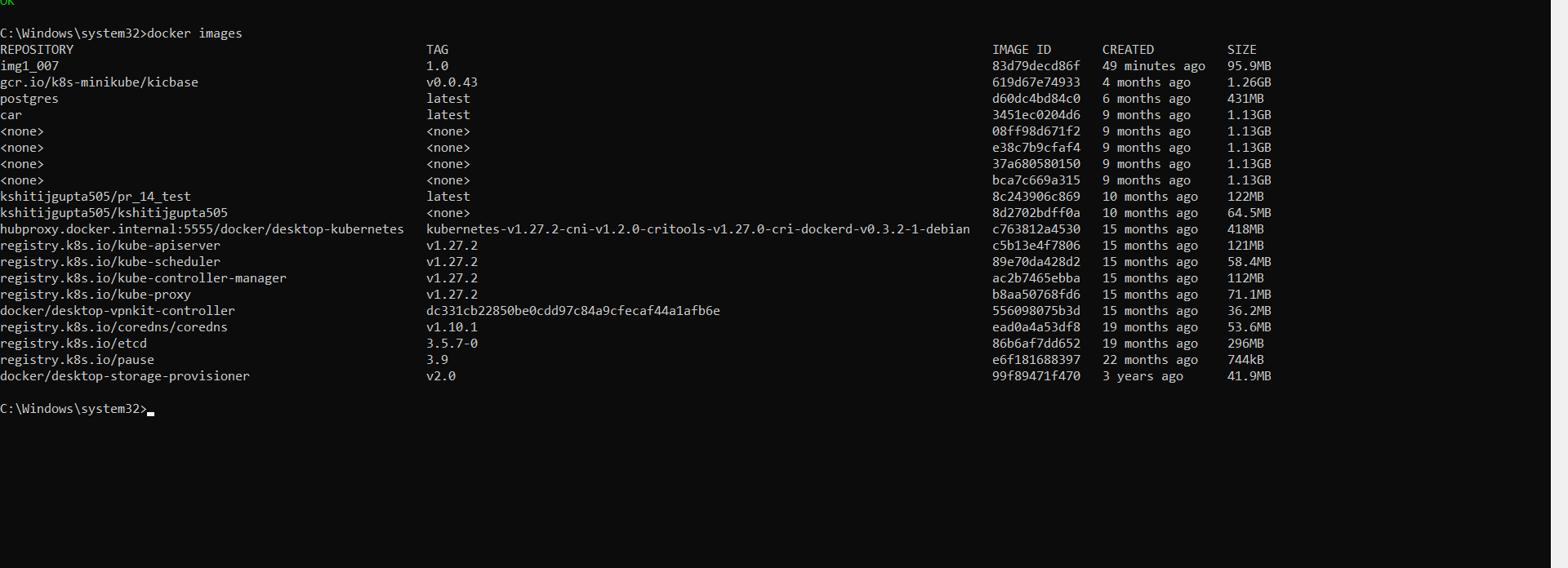
**Login into name space:**

****

**Cheak the name space:**

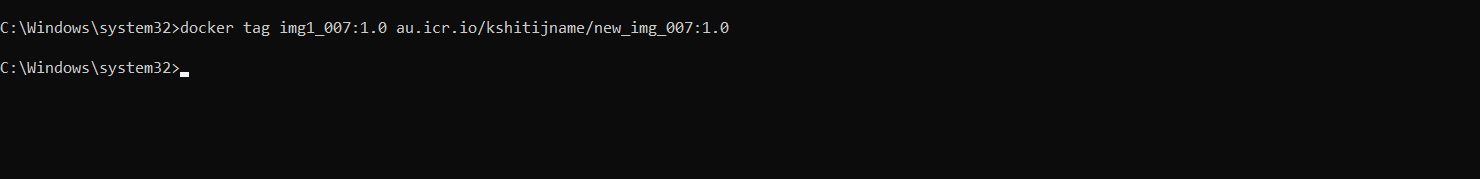


**Cheak the image:**

****

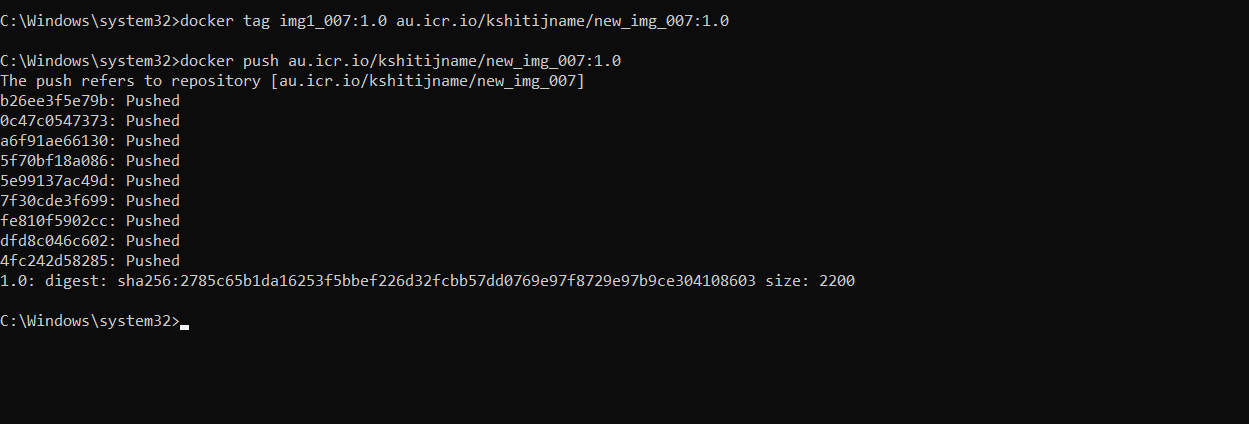
**Tag the image:**

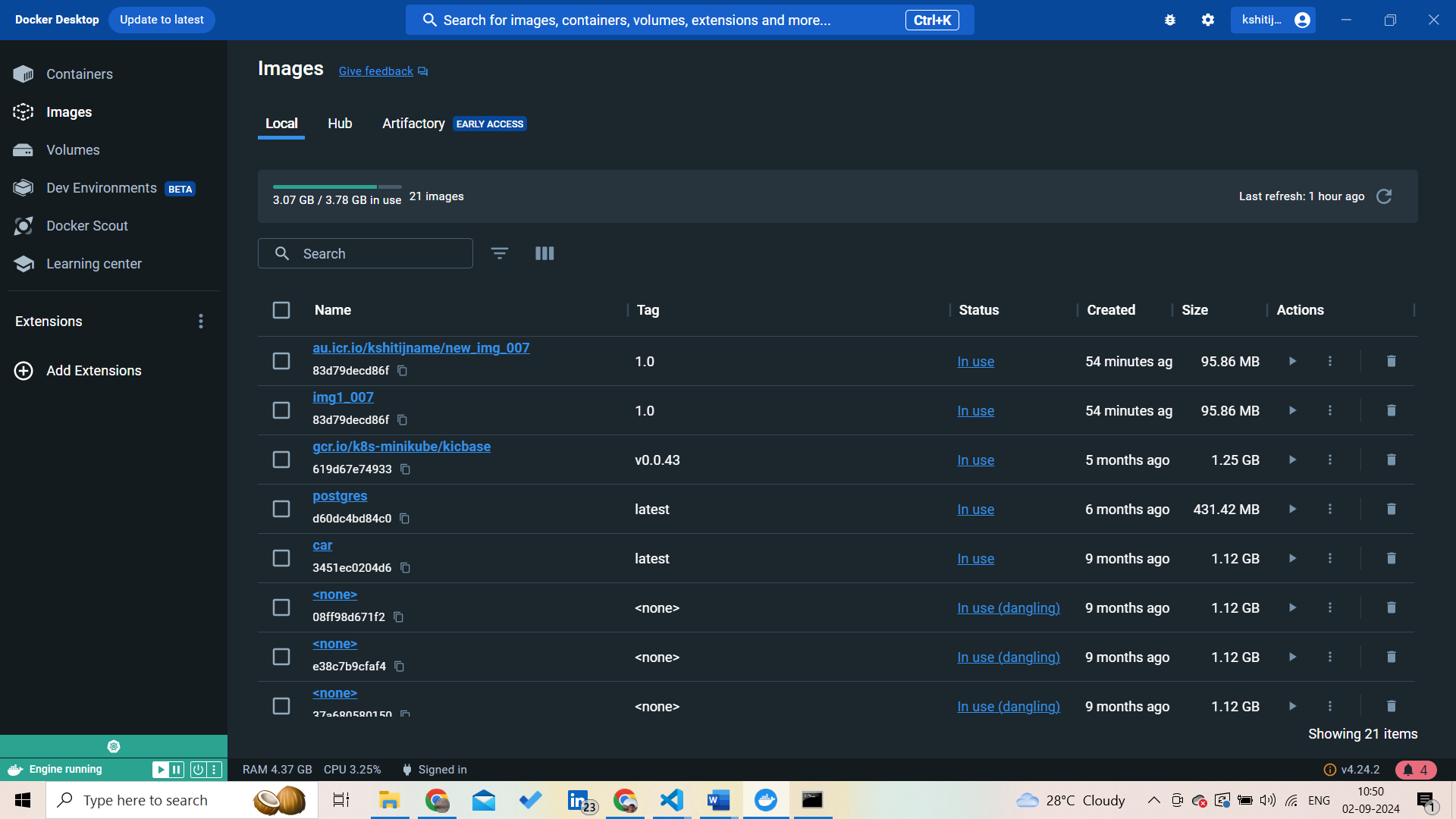
**docker tag img1\_007:1.0 au.icr.io/kshitijname/new\_img\_007:1.0**

****

**Push the image:**

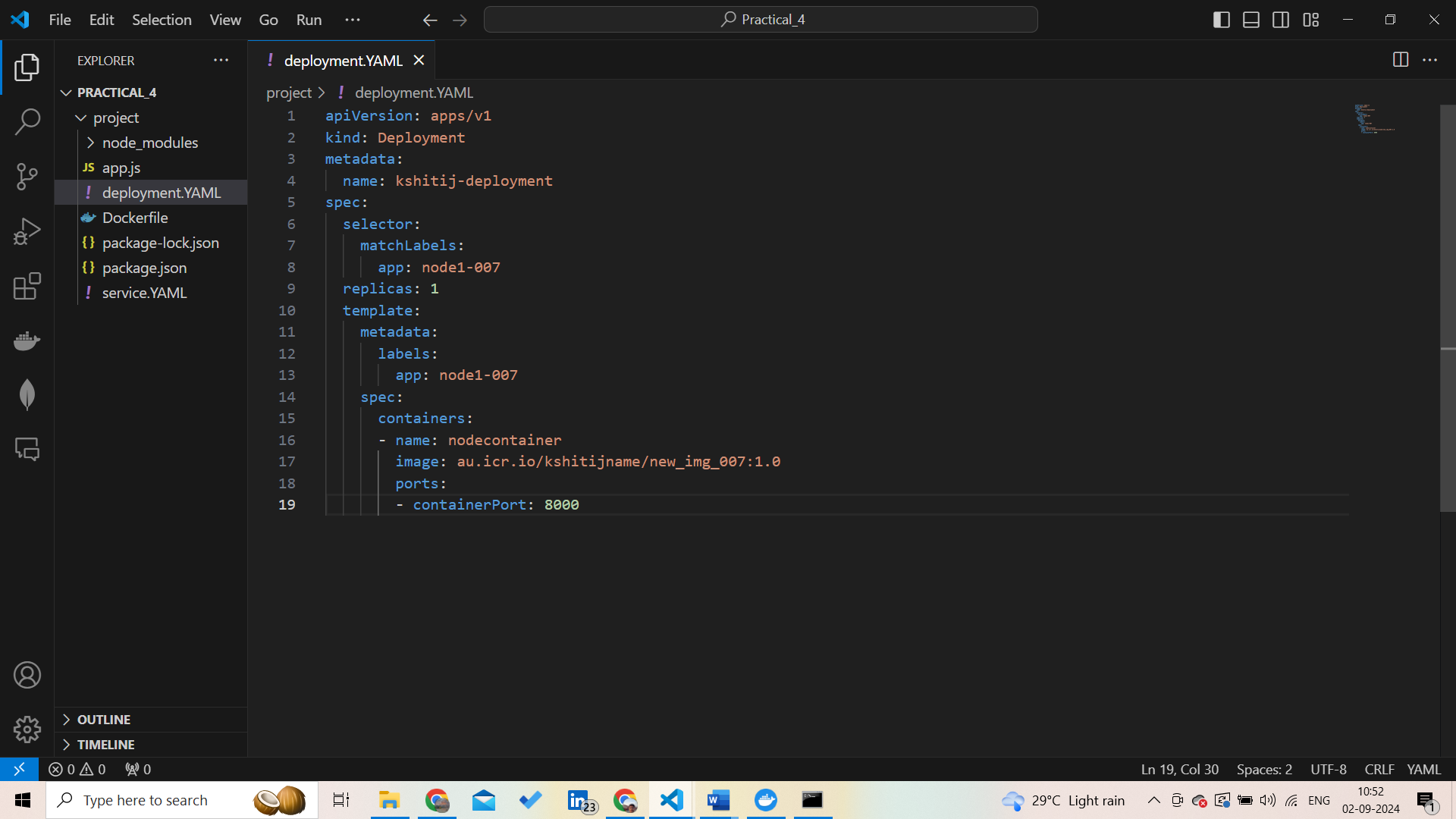
**docker tag img1\_007:1.0 au.icr.io/kshitijname/new\_img\_007:1.0**

****

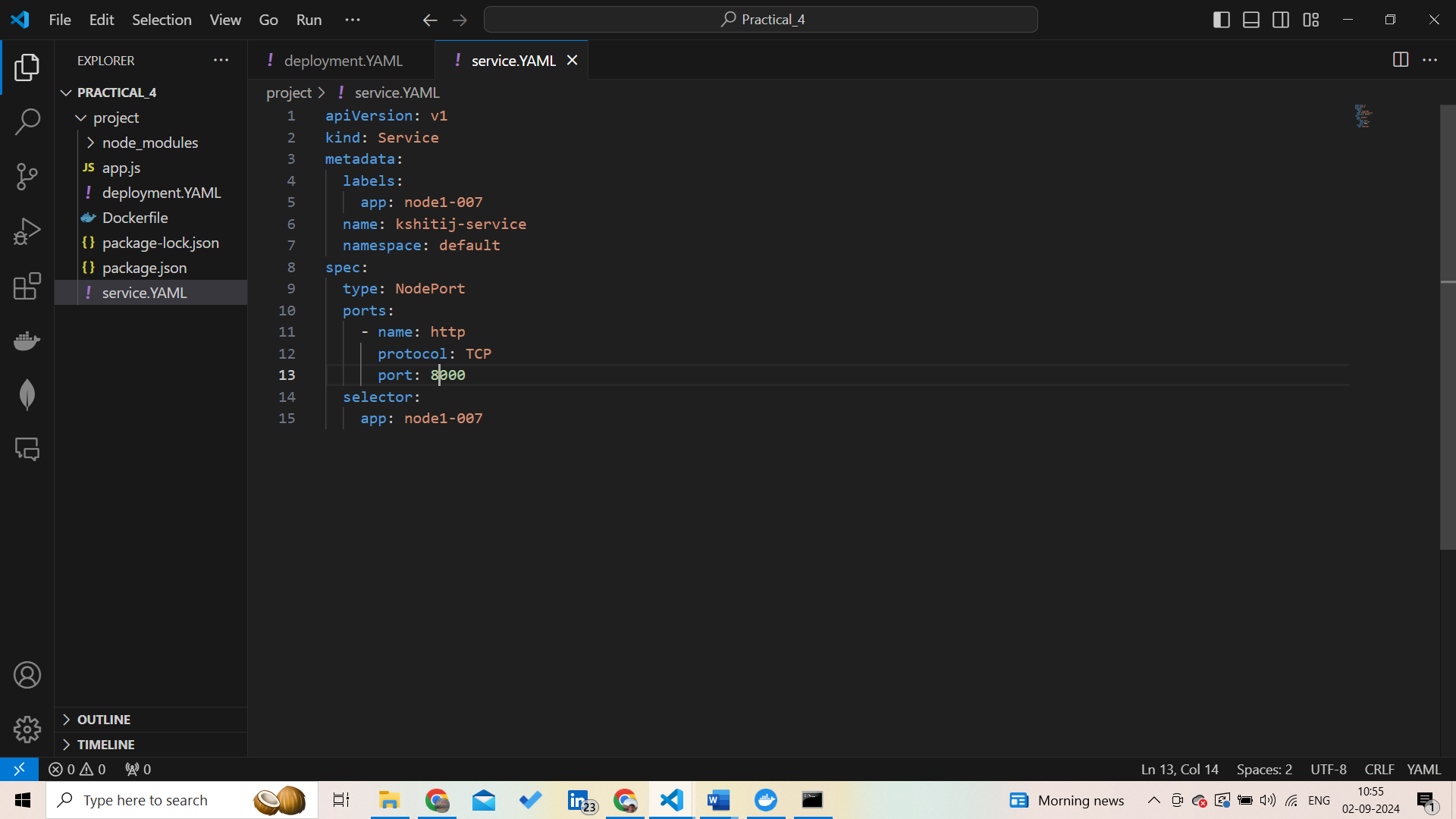


**Time to Deployment:**

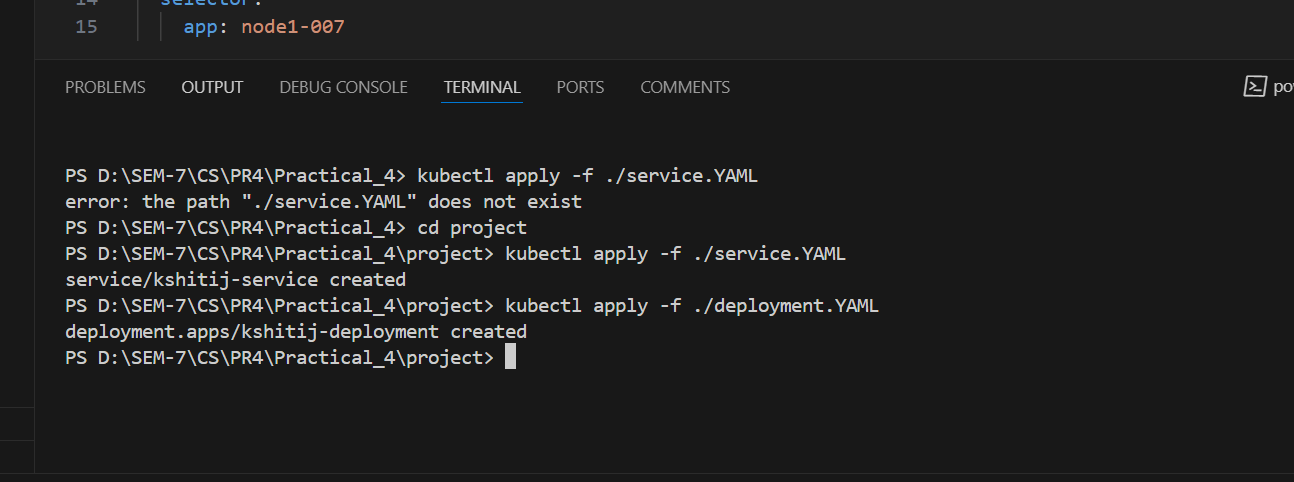
**Configure the deployment.yaml:**



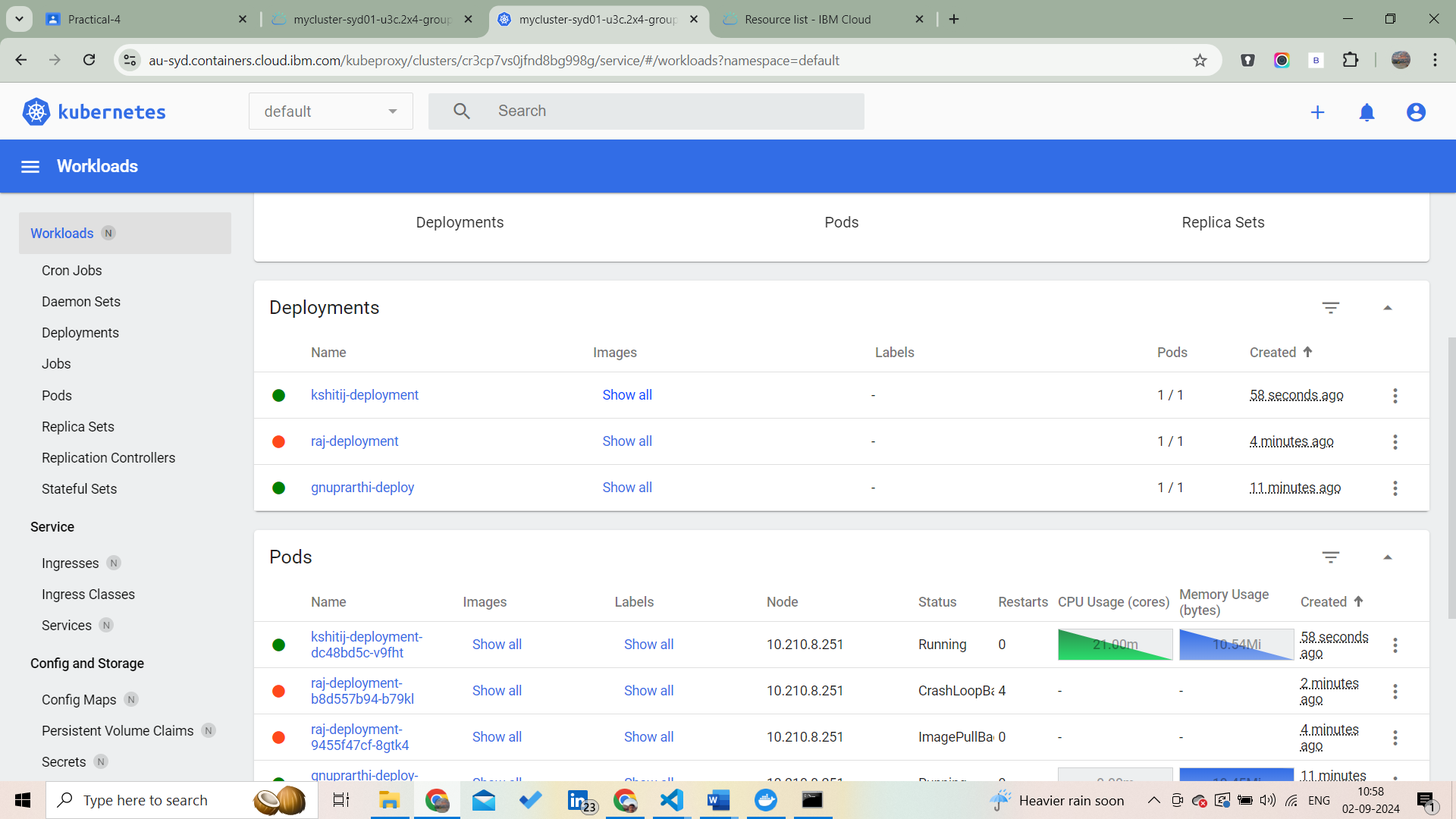
**Service.yaml:**

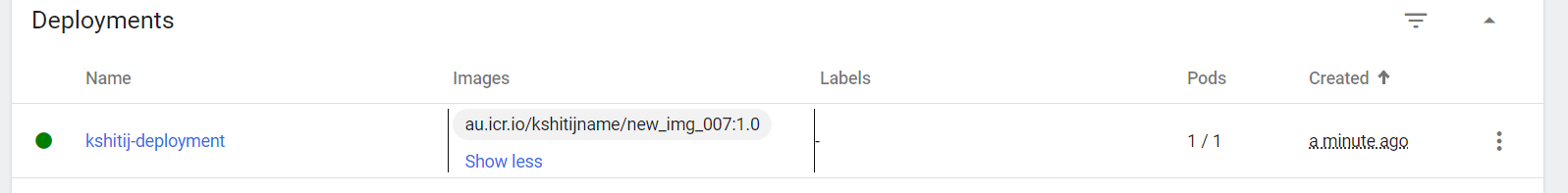


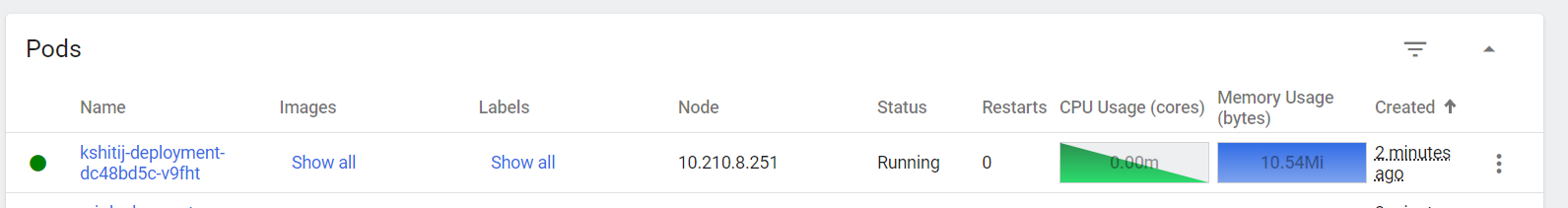
**Run command to check deployments:**

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**Cheak the deployment:**



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