**Lab Guide 5 :**

Deployment Strategies:

Q.1 (i) CREATE A DEPLOYMENT using rollingupdate strategy and image quay.io/mayank123modi/strategy:v1 then replicate it to 15 pods , expose it using route

(ii) Try to change the image and verify whether it is working or not on the URL without any downtime imge name is quay.io/mayank123modi/strategy:v1

Q.2 create a deployment using yaml and type of strategy is recreate and do the same as above

Q,3 Do a rollback of first deployment.

Ans: 1

oc create deployment training --image quay.io/mayank123modi/strategy:v1

oc get deployments.apps,pods

oc scale deployment training --replicas 11

oc expose deployment training --port 80 --type NodePort

oc expose svc training

oc get route

oc get pods

oc get svc

oc describe svc training

oc describe deployments.apps training

curl training-mayank.apps.training.openshiftlab.xyz

(ii)

oc get deployments.apps -o wide

oc set image deployment training <container name>=<new image name >

oc get pods

oc get deployments.apps -o wide

oc get pods

curl training-mayank.apps.training.openshiftlab.xyz

Ans: 2

oc create deployment strategy --image quay.io/mayank123modi/strategy:v1 --dry-run -o yaml > dep\_strategy.yaml

vim dep\_strategy.yaml

oc create -f dep\_strategy.yaml

oc get deployments.apps

oc describe deployments.apps strategy

oc scale deployment strategy --replicas 11

oc get pods

oc expose deployment strategy --port 80 --type NodePort

oc get svc

oc describe svc strategy ; oc get pods

oc get pods -o wide

oc expose svc strategy

oc get route

curl strategy-mayank.apps.training.openshiftlab.xyz

oc get deployments.apps -o wide

oc set image deployment strategy strategy=quay.io/mayank123modi/strategy:v2

oc get pods

oc get pods

curl strategy-mayank.apps.training.openshiftlab.xyz

Ans. 3

oc rollout history deployment training

oc get deployments.apps -o wide

oc rollout undo deployment training

oc get deployments.apps -o wide

oc get pods

oc get svc

curl training-mayank.apps.training.openshiftlab.xyz

**Clean up Your environment**

