**Assignment 10 – Kubernetes Test Questions 1**

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**Questions:**

Create a new pod called my-web image nginx

Allow the pod to be able to set system\_time

The container should sleep for 2200 seconds

Create a new deployment called my-project, with image

nginx and 1 replica .Next upgrade the deployment to version nginx:1.25 using

rolling update.Make sure that version upgrade is recorded in the resource annotation.

Set up a Kubernetes deployment named app-server using the my-app-server:v1 image and initially scale it to 5 replicas. Ensure that the deployment is configured to maintain the desired number of pods, even if some pods fail.

**Question 1:**

1. Run this command, **kubectl run my-web --image=nginx --command sleep 2200 --dry-run=client -o yaml > nginx.yml**
   1. A screen shot of a computer

      Description automatically generated
2. Edit the output file, add security context (S**YS\_TIME**) to the code
   1. A screenshot of a computer

      Description automatically generated
3. Run the YAML file, **kubectl apply -f nginx.yml**
   1. A screen shot of a computer

      Description automatically generated

**Question 2:**

1. Run this command, **kubectl create deployment my-project --image=nginx**
   1. A screenshot of a computer program

      Description automatically generated
2. Change image of the deployment; **kubectl set image deployment/my-project nginx=nginx:1.25 --record**
   1. A screenshot of a computer program

      Description automatically generated
3. Check rollout history, **kubectl rollout history deployment my-project**
   1. A screenshot of a computer program

      Description automatically generated

**Question 3:**

1. Run this command,
2. **kubectl create deployment app-server --image=** **haffizhissham0/node\_app-demo:v1 –replicas=5**
3. A screenshot of a computer

   Description automatically generated