Question 1 :-

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| values ===  image : anilbidari/python:v1 port : 8 , replicas:3  HPA - min 5 max 20 , cpu : 60%  Required evidence   1. Deployment yaml file code screenshot      1. service yaml file content screenshot      1. autocaling yaml file content screenshot |

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| Q.2 Expectations  values ==  pv name - avengers-pv  pvc name = avengers -pvc  pod name = avengers -pod  image - mysql   1. Create persistent volume – yaml file screenshot      1. Create Persistent volume claim - yaml fiel screenshot      1. Mysql- single replica deployment which mounts persistent volume - yaml file screenshot     D) kubectl get pods – pod showing up |

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| Q3. Expectations  values ==  image = anilbidari/python:v1 , port : 80 , replica 3  expopse with Clusterip  upgrade to v2  evidence   1. Deployment of pod yaml content file screenshot      1. Kubectl describe command of deployment of showing version 1.0 image is deployed      1. Upgrade command to version 2.0 image      1. Kubectl describe command of deployment of showing version 2.0 image is deployed     **Expose Service: -** |