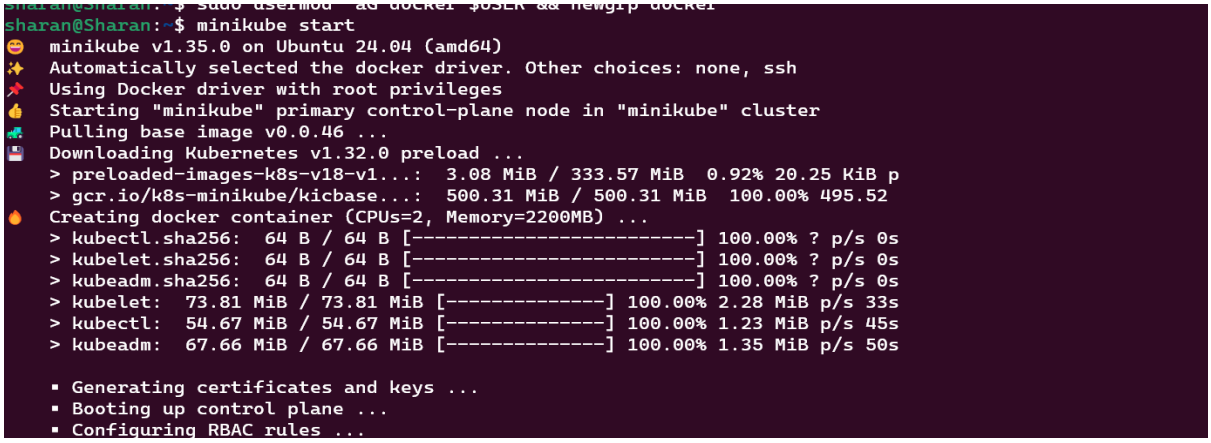
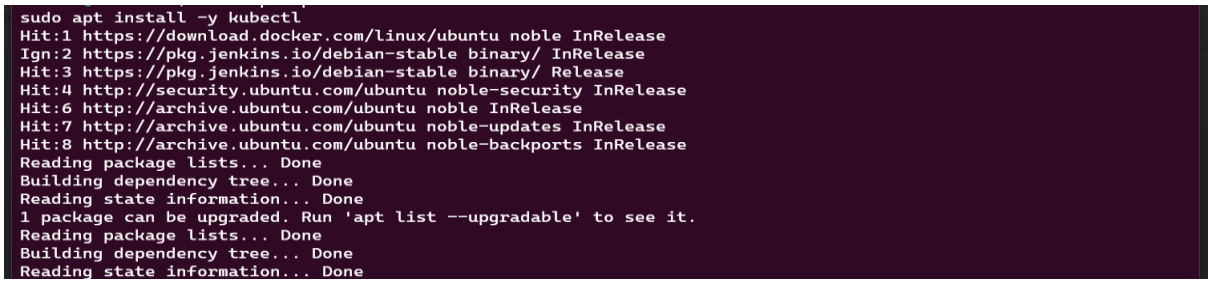
TASK 3-MiniKube Deployment Task

Step 1: Start the minikube server

Starting the minikube using “minikube start “command

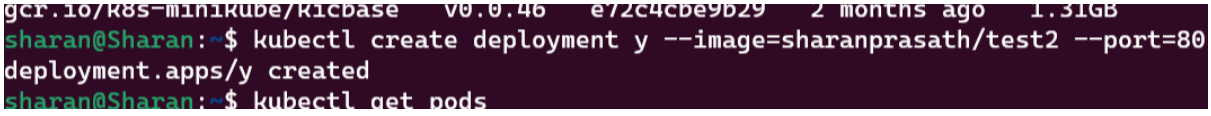


Step 2: Install kubectl



Step 3: Create deployment

Now create a deployment named r2 using the image ‘vishal15276/test1’



Step 4: Verify the pods

Now give kubectl get pods to check if the container is running and wait until it starts running

```
NAME                  READY   STATUS              RESTARTS   AGE
p-7db547f989-7srbn    0/1     ImagePullBackOff    0          2m32s
sp-bbf5f7896-tvxn7    0/1     ContainerCreating   0          9s
```

```
sharan@Sharan:~$ kubectl get pods
NAME                  READY   STATUS    RESTARTS   AGE
p-7db547f989-7srbn    1/1     Running   0          7m4s
sp-bbf5f7896-tvxn7    1/1     Running   0          4m41s
```

Step 5: Expose the deployment

Now expose the deployment using the expose command

```
sharan@Sharan:~$ kubectl expose deployment sp --port=80 --type=NodePort
service/sp exposed
```

Step 6: Accessing the website

Now give service command to check the ip address of the deployed image

```
sharan@Sharan:~$ minikube service sp
|-----------|------|-------------|--------------------------|
| NAMESPACE | NAME | TARGET PORT |           URL            |
|-----------|------|-------------|--------------------------|
| default   | sp   |          80 | http://192.168.49.2:31250 |
|-----------|------|-------------|--------------------------|
🏃  Starting tunnel for service sp.
|-----------|------|-------------|------------------------|
| NAMESPACE | NAME | TARGET PORT |          URL           |
|-----------|------|-------------|------------------------|
| default   | sp   |             | http://127.0.0.1:44365 |
|-----------|------|-------------|------------------------|
🎉  Opening service default/sp in default browser...
👉  http://127.0.0.1:44365
❗  Because you are using a Docker driver on linux, the terminal needs to be open to run it.
```

Step 7: Output page

The output will be displayed as follows