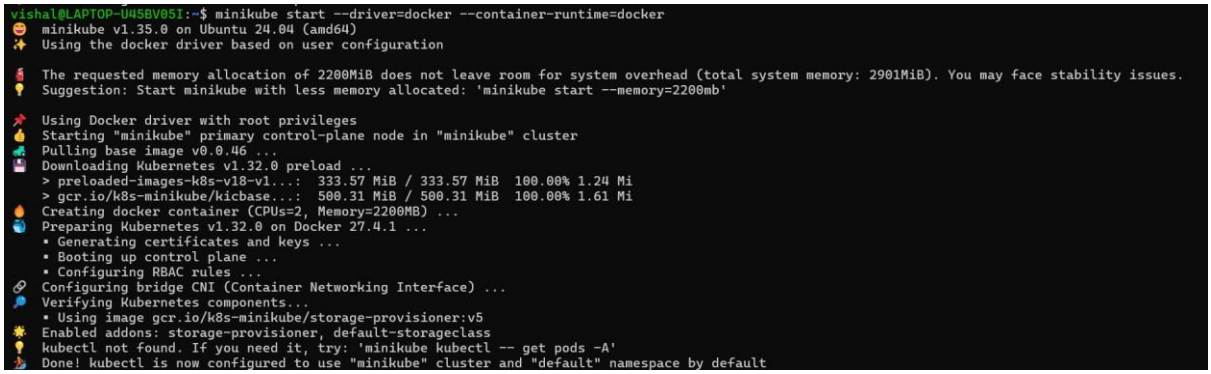
TASK 3-MiniKube Deployment Task

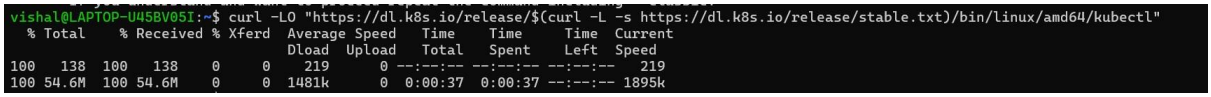
Step 1: Start the minikube server

Starting the minikube using “minikube start “command



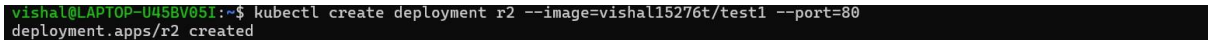
Step 2: Install kubectl

Install kubectl from the documentation code



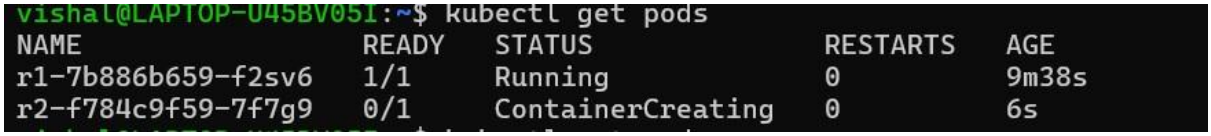
Step 3: Create deployment

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



Step 5: Expose the deployment

Now expose the deployment using the expose command

```
vishal@LAPTOP-U45BV05I:~$ kubectl expose deployment r2 --port=80 --type=NodePort
service/r2 exposed
vishal@LAPTOP-U45BV05I:~$ minikube service r2
```

Step 6: Accessing the website

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

```
vishal@LAPTOP-U45BV05I:~$ minikube service r2
|-----------|------|-------------|--------------------------|
| NAMESPACE | NAME | TARGET PORT |            URL           |
|-----------|------|-------------|--------------------------|
| default   | r2   |          80 | http://192.168.49.2:30361 |
|-----------|------|-------------|--------------------------|
🏃  Starting tunnel for service r2.
|-----------|------|-------------|------------------------|
| NAMESPACE | NAME | TARGET PORT |          URL           |
|-----------|------|-------------|------------------------|
| default   | r2   |             | http://127.0.0.1:41619 |
|-----------|------|-------------|------------------------|
🎉  Opening service default/r2 in default browser...
👉  http://127.0.0.1:41619
❗  Because you are using a Docker driver on linux, the terminal needs to be open to run it.
65.............33333333333333333333333333333333333333333333333333333333333p^[[3~
```

Step 7: Output page

The output will be displayed as follows