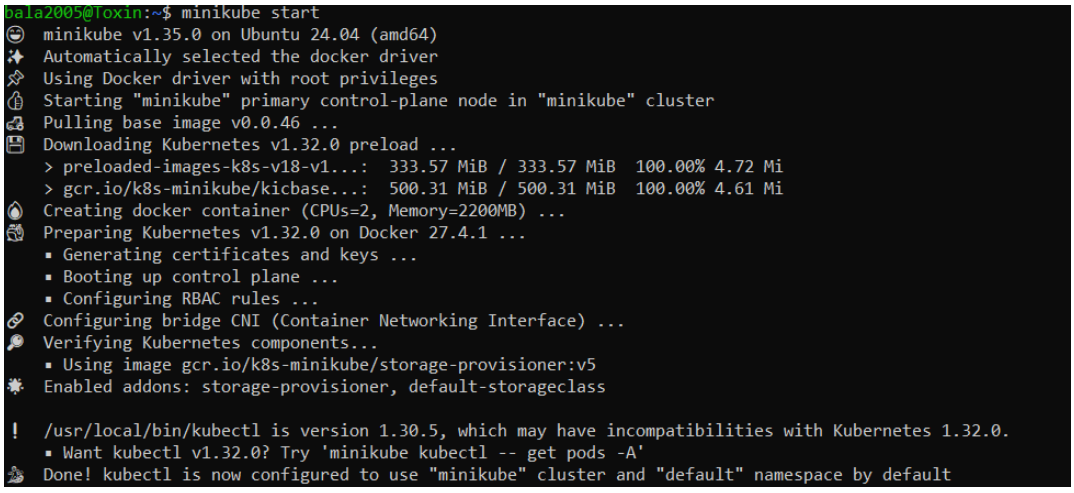
DevOps **Balachandran K K**

22ISR005

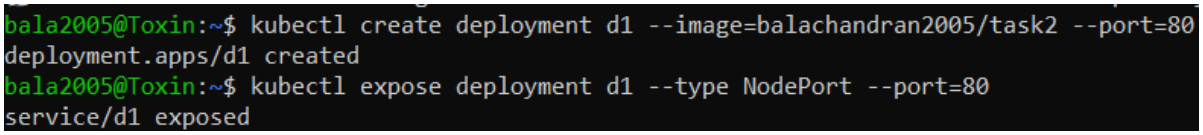
Task 3

Create a Kubernetes deployment in Minikube using kubectl, expose it as a service, and run Docker image to serve an HTML website.

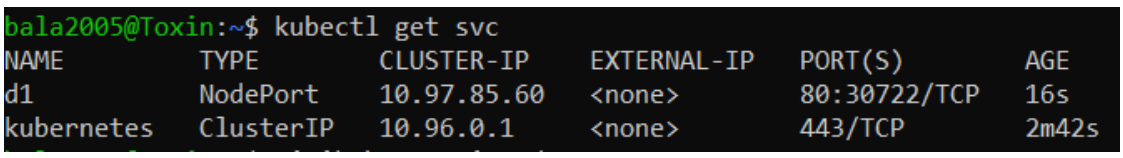
1. Installing and starting the Minikube.



2. Creating a Deployment d1 and exposing it.



3. Verifying whether the deployment is created.



4. Starting the tunnel and running it.

```
bala2005@Toxin:~$ minikube service d1
|-----------|------|-------------|-------------------------|
| NAMESPACE | NAME | TARGET PORT |           URL           |
|-----------|------|-------------|-------------------------|
| default   | d1   |          80 | http://192.168.49.2:30722 |
|-----------|------|-------------|-------------------------|
🏃  Starting tunnel for service d1.
|-----------|------|-------------|-----------------------|
| NAMESPACE | NAME | TARGET PORT |          URL          |
|-----------|------|-------------|-----------------------|
| default   | d1   |             | http://127.0.0.1:39453 |
|-----------|------|-------------|-----------------------|
🎉  Opening service default/d1 in default browser...
👉  http://127.0.0.1:39453
❗  Because you are using a Docker driver on linux, the terminal needs to be open to run it.
```

5. Final output of the URL http://127.0.0.1:39453.