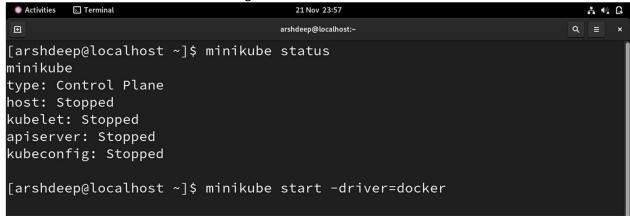
SCREENSHOTS OF EACH STEP:

Command to start minikube cluster using docker driver:



Checking the status of the pods – Grafana and mariadb:

```
[arshdeep@localhost ~]$ kubectl get pod
NAME
                               READY
                                        STATUS
                                                                 AGE
                                                  RESTARTS
my-grafana-56896fc78f-6cv9d
                               1/1
                                        Running
                                                  3 (21h ago)
                                                                  29h
my-mariadb-0
                               1/1
                                        Running
                                                  4 (21h ago)
                                                                  29h
```

Forwarding ports:

```
[arshdeep@localhost ~]$ kubectl port-forward svc/my-mariadb 3306:3306 &
[1] 11411
[arshdeep@localhost ~]$ Forwarding from 127.0.0.1:3306 -> 3306
Forwarding from [::1]:3306 -> 3306

[arshdeep@localhost ~]$ kubectl port-forward svc/my-grafana 3000:80 &
[2] 11573
[arshdeep@localhost ~]$ Forwarding from 127.0.0.1:3000 -> 3000
Forwarding from [::1]:3000 -> 3000
```

Checking that the database is up and running:

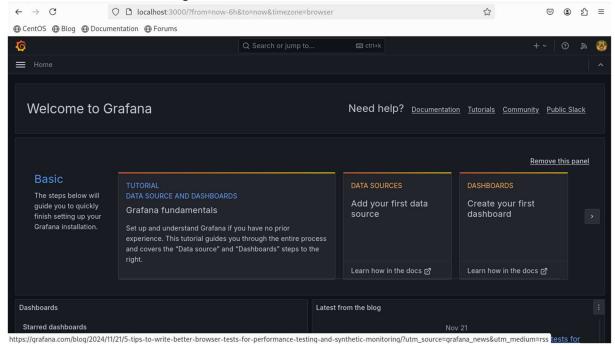
```
[arshdeep@localhost ~]$ kubectl run my-mariadb-client --rm --tty -i --restart='Never' --image docker.io/bitnami/mariadb:11.4.
4-debian-12-r0 --namespace default --command -- bash
If you don't see a command prompt, try pressing enter.
I have no name!@my-mariadb-client:/$
I have no name!@my-mariadb-client:/$ mysql -h my-mariadb.default.svc.cluster.local -uroot -p testdb
mysql: Deprecated program name. It will be removed in a future release, use '/opt/bitnami/mariadb/bin/mariadb' instead
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 76
Server version: 11.4.4-MariaDB Source distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [testdb]>
```

Connection of Grafana through localhost:



Running the robortframe work to create a table in the database:

Verifying the database and checking the tables:

Running the command to create datasource and dashboard on Grafana