MySQL InnoDB Cluster & ClusterSet – Complete Command Cheat Sheet

1. Deploy Sandbox Instances

```
dba.deploySandboxInstance("3310")
dba.deploySandboxInstance("3320")
dba.deploySandboxInstance("3330")
dba.deploySandboxInstance("3340")
```

2. Create Primary Cluster

```
\connect root@localhost:3310
var x = dba.createCluster("mycluster")
```

3. Add Instances to Cluster

```
x.addInstance("root@localhost:3320")
x.addInstance("root@localhost:3330")
x.addInstance("root@localhost:3340")
```

4. Check Cluster

```
x.status()
```

5. Bootstrap MySQL Router

```
mysqlrouter --bootstrap root@localhost:3310 -d %HOMEPATH%\mysql-router
```

6. Start Router (Windows)

```
"C:\Program Files\MySQL\MySQL Router 8.4\bin\mysqlrouter.exe" -c
"%HOMEPATH%\mysql-router\mysqlrouter.conf"
```

7. Connect Through Router

```
mysqlsh root@localhost:6446
```

8. Test Failover

```
dba.killSandboxInstance(3310)
dba.startSandboxInstance(3310)
```

9. Create DB

```
create database school;
use school;
create table students(id int primary key, name varchar(50));
```

10. ClusterSet Commands

```
var cs = x.createClusterSet("globalcs")
cs.createReplicaCluster("mycluster2", "root@localhost:3410")
```

11. Failover ClusterSet

```
cs.forcePrimaryCluster("mycluster2")
cs.setPrimaryCluster("mycluster")
```

12. Rejoining a Cluster

```
dba.rebootClusterFromCompleteOutage()
cs.rejoinCluster("mycluster")
```