

NAME:TUSHAR PATIL

PRN:2020BTECS00075 ADS:8

Steps Done For Connection:

Server :

```
MySQL Shell 8.0.32

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Type '\help' or '?' for help; '\quit' to exit.
MySQL JS > 'dba.deploySandboxInstance' is not recognized as an internal or external command,
SyntaxError: Unexpected identifier
MySQL JS > operable program or batch file.
SyntaxError: Unexpected identifier
MySQL JS > dbs.deploySandboxInstance('3333');
ReferenceError: dbs is not defined
MySQL JS > dba.deploySandboxInstance('3333');
A new MySQL sandbox instance will be created on this host in
C:\Users\SAGAR RAHANGDALE\MySQL\mysql-sandboxes\3333

Warning: Sandbox instances are only suitable for deploying and
running on your local machine for testing purposes and are not
accessible from external networks.

Please enter a MySQL root password for the new instance: *****

Deploying new MySQL instance...

Instance localhost:3333 successfully deployed and started.
Use shell.connect('root@localhost:3333') to connect to the instance.

MySQL JS > shell.connect('root@localhost:3333');
Creating a session to 'root@localhost:3333'
Please provide the password for 'root@localhost:3333': *****
Save password for 'root@localhost:3333'? [Y]es/[N]o/[e]x[ist]ing (default No): Y
Fetching schema names for auto-completion... Press ^C to stop.
Your MySQL connection id is 12
Server version: 8.0.32 MySQL Community Server - GPL
No default schema selected; type \use <schema> to set one.
<ClassicSession:root@localhost:3333>
MySQL localhost:3333 ssl JS > var cluster = dba.createCluster('Cluster1');
Invalid object member createCluster (AttributeError)
MySQL localhost:3333 ssl JS > var cluster = dba.createCluster('Cluster1');
```

```
MySQL localhost:3333 ssl JS > var cluster = dba.createCluster('Cluster1');
A new InnoDB Cluster will be created on instance '127.0.0.1:3333'.

Validating instance configuration at localhost:3333...
NOTE: Instance detected as a sandbox.
Please note that sandbox instances are only suitable for deploying test clusters for use within the same host.

This instance reports its own address as 127.0.0.1:3333

Instance configuration is suitable.
NOTE: Group Replication will communicate with other members using '127.0.0.1:3333'. Use the localAddress option to override.

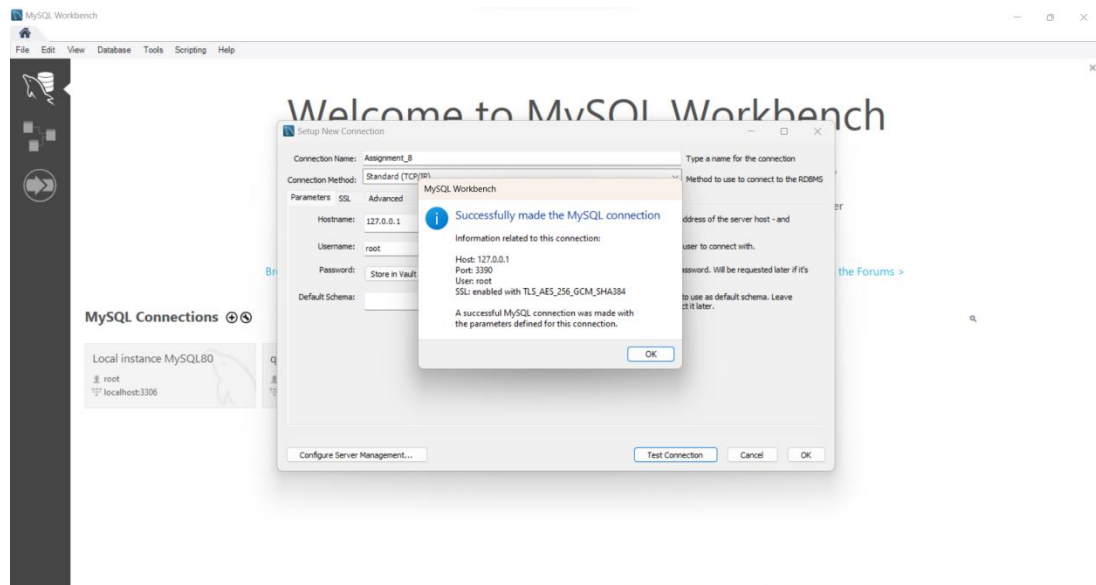
Creating InnoDB Cluster 'Cluster1' on '127.0.0.1:3333'...

Adding Seed Instance...
Cluster successfully created. Use Cluster.addInstance() to add MySQL instances.
At least 3 instances are needed for the cluster to be able to withstand up to
one server failure.

MySQL localhost:3333 ssl JS > cluster.status()
{
  "clusterName": "Cluster1",
  "defaultReplicaSet": {
    "name": "default",
    "primary": "127.0.0.1:3333",
    "ssl": "REQUIRED",
    "status": "OK_NO_TOLERANCE",
    "statusText": "Cluster is NOT tolerant to any failures.",
    "topology": {
      "127.0.0.1:3333": {
        "address": "127.0.0.1:3333",
        "memberRole": "PRIMARY",
        "mode": "R/W",
        "readReplicas": {},
        "replicationLag": "applier_queue_applied",
        "role": "HA",
        "status": "ONLINE",
        "version": "8.0.32"
      }
    }
  }
}
```

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Other Nodes:

```
C:\Program Files\MySQL\MySQL JS > dba.deploySandboxInstance(3333);
A new MySQL sandbox instance will be created on this host in
C:\Users\shree\MySQL\mysql-sandboxes\3333

Warning: Sandbox instances are only suitable for deploying and
running on your local machine for testing purposes and are not
accessible from external networks.

Please enter a MySQL root password for the new instance: *****

Deploying new MySQL instance...

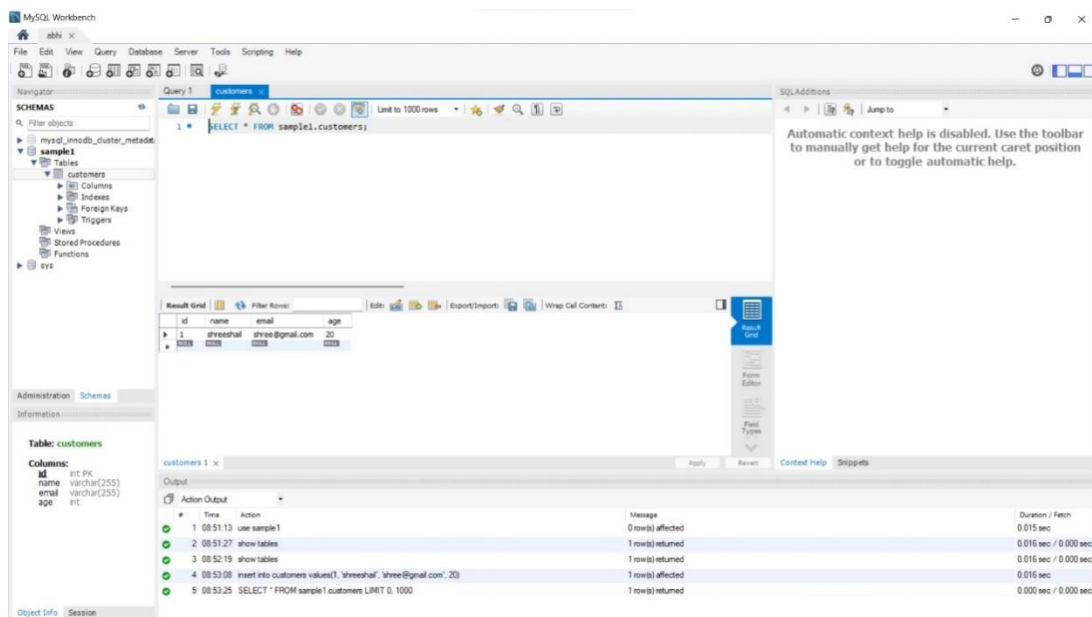
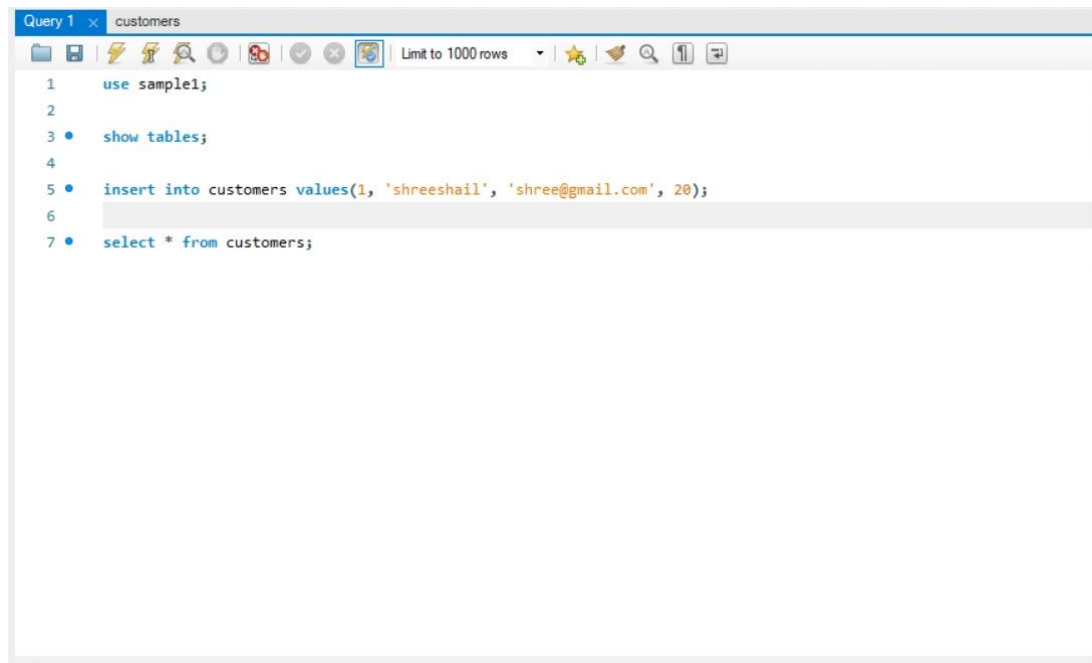
Instance localhost:3333 successfully deployed and started.
Use shell.connect('root@localhost:3333') to connect to the instance.
```

After Connection :

In Other Nodes :

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In Server Node:

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```
Query 1: customers
Limit to 1000 rows

1 • create database sample1;
2 • use sample1;
3
4 • CREATE TABLE customers (
5     id INT PRIMARY KEY,
6     name VARCHAR(255),
7     email VARCHAR(255),
8     age INT
9 );
10
11 • SELECT * FROM customers;
12
13 • INSERT INTO customers (id, name, email, age)
14 VALUES (4, 'Ritesh Pawar', 'ritesh12@example.com', 30),
15          (2, 'Jane Doe', 'janedoe@example.com', 25),
16          (3, 'Bob Johnson', 'bobjohnson@example.com', 40);
```

MySQL Workbench

ADS

File Edit View Query Database Server Tools Scripting Help

Navigator

Filter objects

mysql_innodb_cluster_metadata

sample1

customers

Views

Stored Procedures

Functions

sys

Administration Schemas

Information

Schema: sample1

Object Info Session

Query 1: customers

Limit to 1000 rows

1 • SELECT * FROM sample1.customers;

Result grid

| # | id | name | email | age |
|---|----|--------------|------------------------|-----|
| 1 | 1 | shreshal | shree@gmail.com | 30 |
| 2 | 2 | Jane Doe | janedoe@example.com | 25 |
| 3 | 3 | Bob Johnson | bobjohnson@example.com | 40 |
| 4 | 4 | Ritesh Pawar | ritesh12@example.com | 30 |

Output

| # | Time | Action | Message | Duration / Fetch |
|----|----------|--|--|-----------------------|
| 4 | 08:52:27 | CREATE TABLE customers (id INT PRIMARY KEY, name VARCHAR(255), email VARCHAR(255), age INT) | Errr Code: 1050. Table 'customers' already exists | 0.000 sec |
| 5 | 08:53:13 | CREATE TABLE customers (id INT PRIMARY KEY, name VARCHAR(255), email VARCHAR(255), age INT) | Errr Code: 1050. Table 'customers' already exists | 0.000 sec |
| 6 | 08:53:37 | SELECT * FROM sample1.customers LIMIT 0, 1000 | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 7 | 08:57:18 | SELECT * FROM customers LIMIT 0, 1000 | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 8 | 08:57:43 | INSERT INTO customers (id, name, email, age) VALUES (1, 'John Smith', 'johnsmith@example.com', 30), | Errr Code: 1062. Duplicate entry '1' for key 'customers.PRIMARY' | 0.000 sec |
| 9 | 08:58:20 | INSERT INTO customers (id, name, email, age) VALUES (4, 'Ritesh Pawar', 'ritesh12@example.com', 30), | 3 row(s) affected. Records: 3 Duplicates: 0 Warnings: 0 | 0.016 sec |
| 10 | 08:58:24 | SELECT * FROM customers LIMIT 0, 1000 | 4 row(s) returned | 0.000 sec / 0.000 sec |
| 11 | 09:09:55 | SELECT * FROM sample1.customers LIMIT 0, 1000 | 4 row(s) returned | 0.000 sec / 0.000 sec |

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.