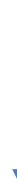
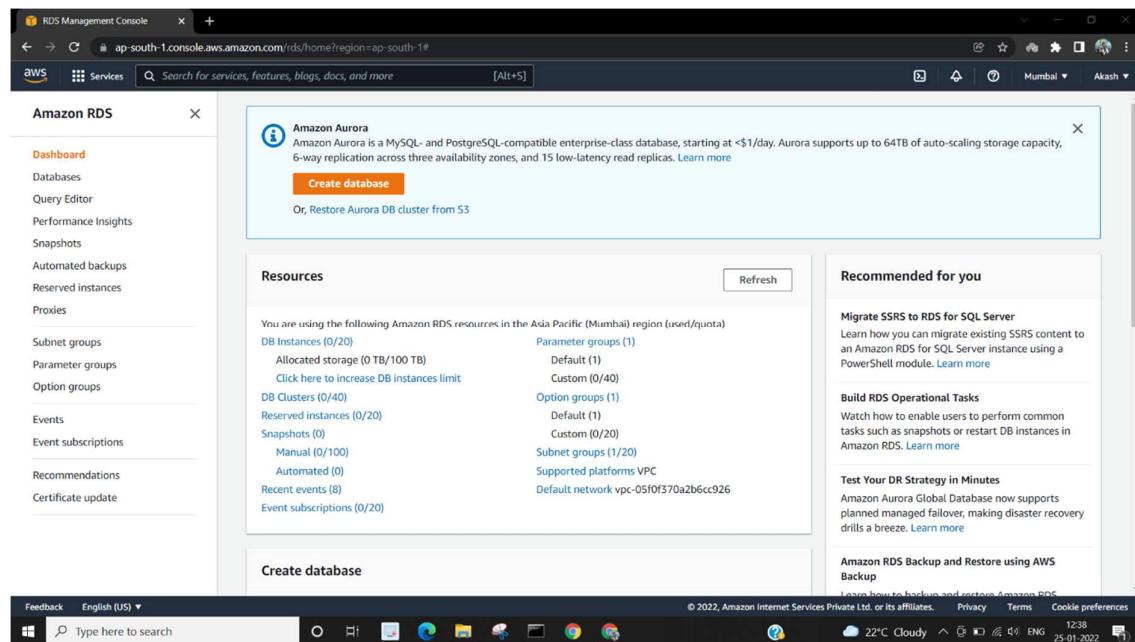


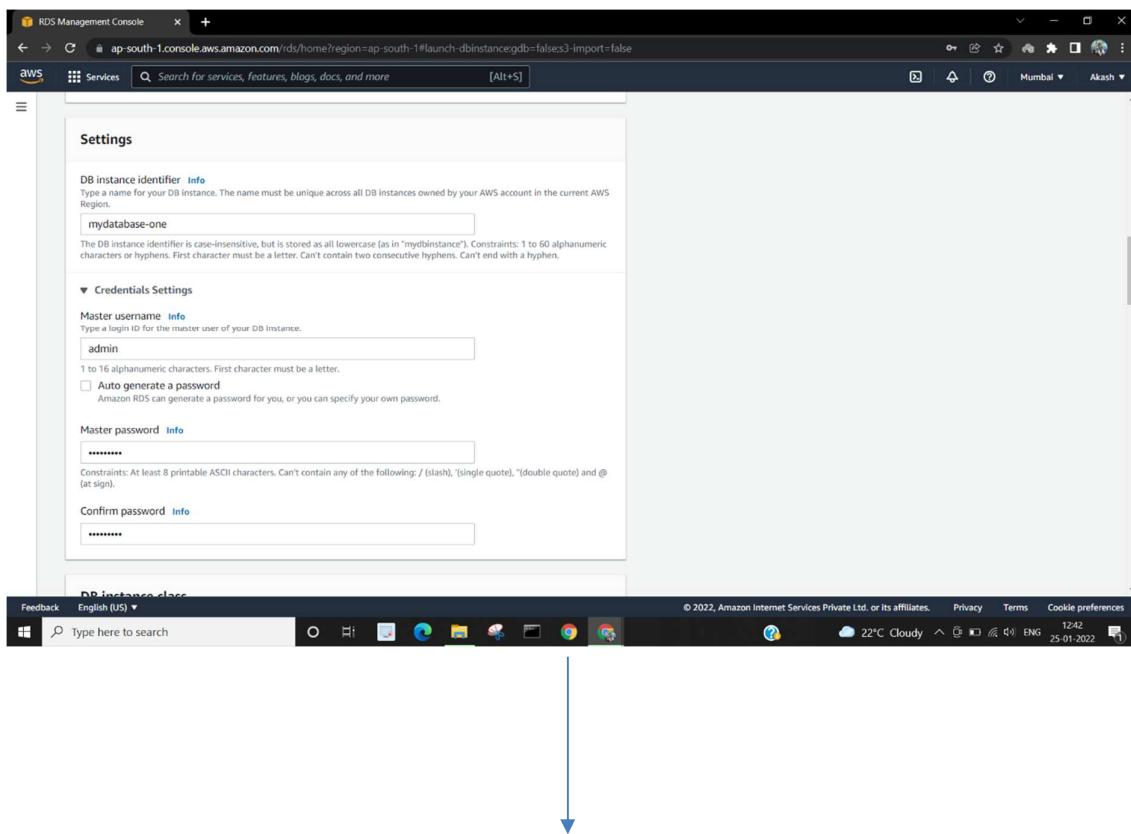
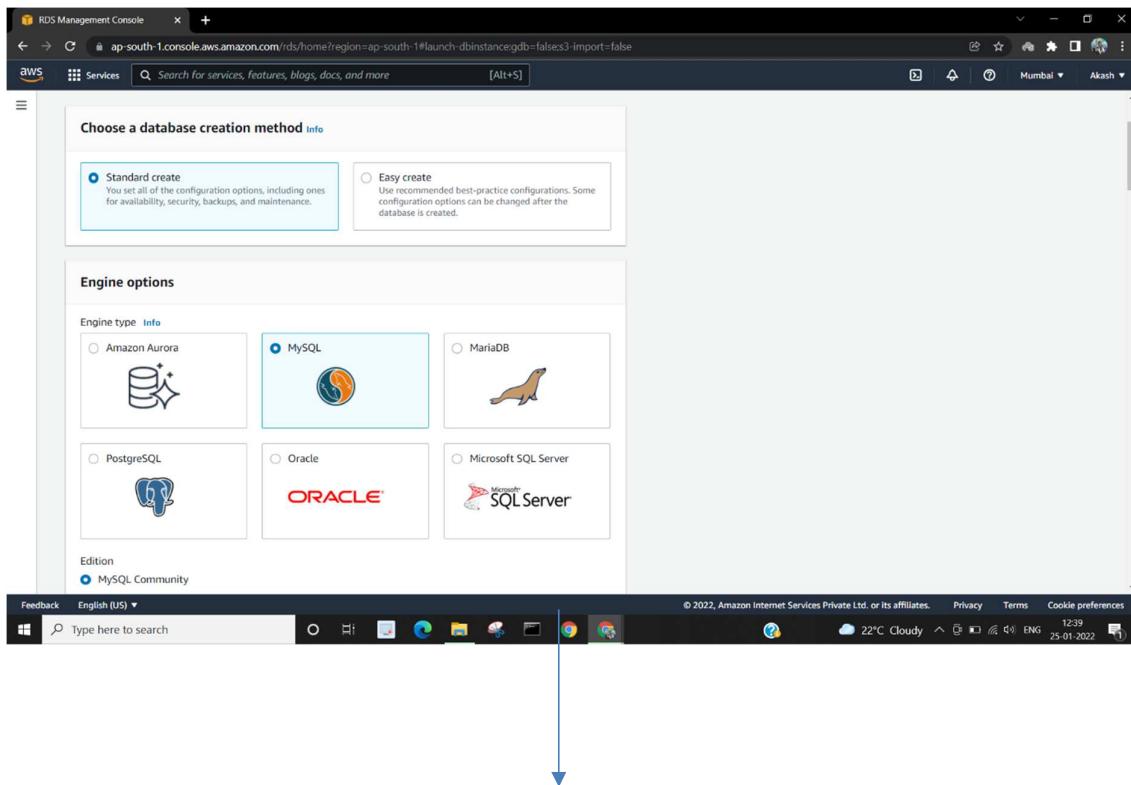
# AWS IAAC RDS-MySQL, EC2-Shell Creation and Script Execution

- 1.Launch a RDS MySQL Instance
- 2.Launch Amazon Linux EC2 Instance
- 3.Connect EC2 instance via SSH using putty
- 4.Install MySQL client on EC2 Instance
- 5.Connect to MySQL instance
- 6.Create a Database
- 7.Add a table
- 8.Insert a few records
- 9.Select the Inserted records
- 10.Delete RDS MySQL Instance

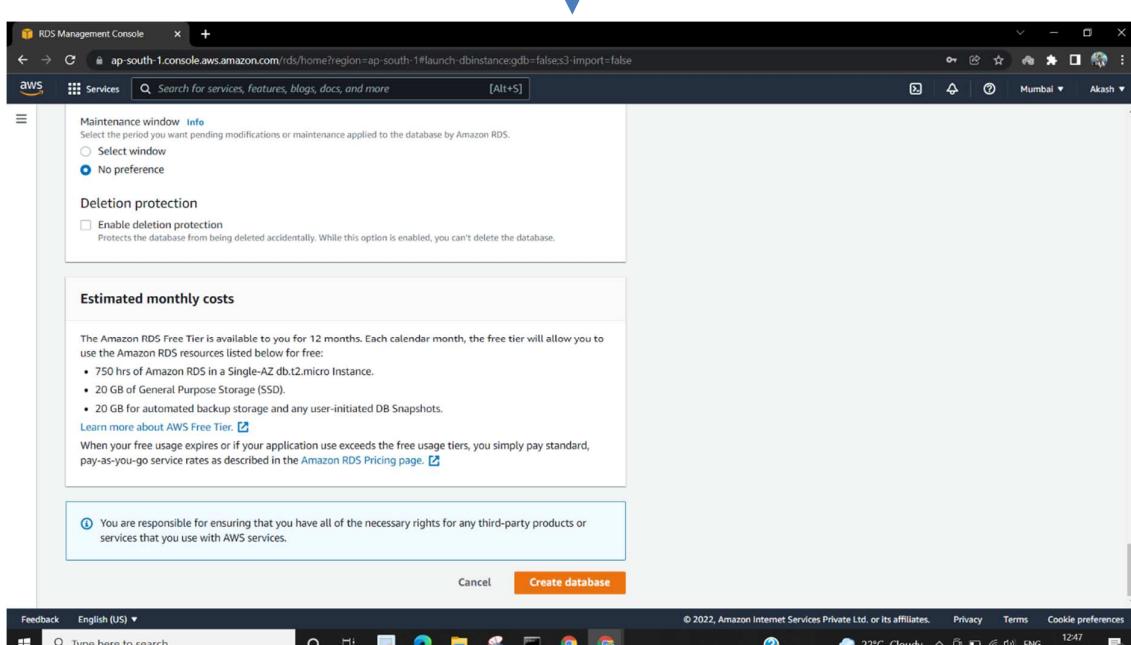
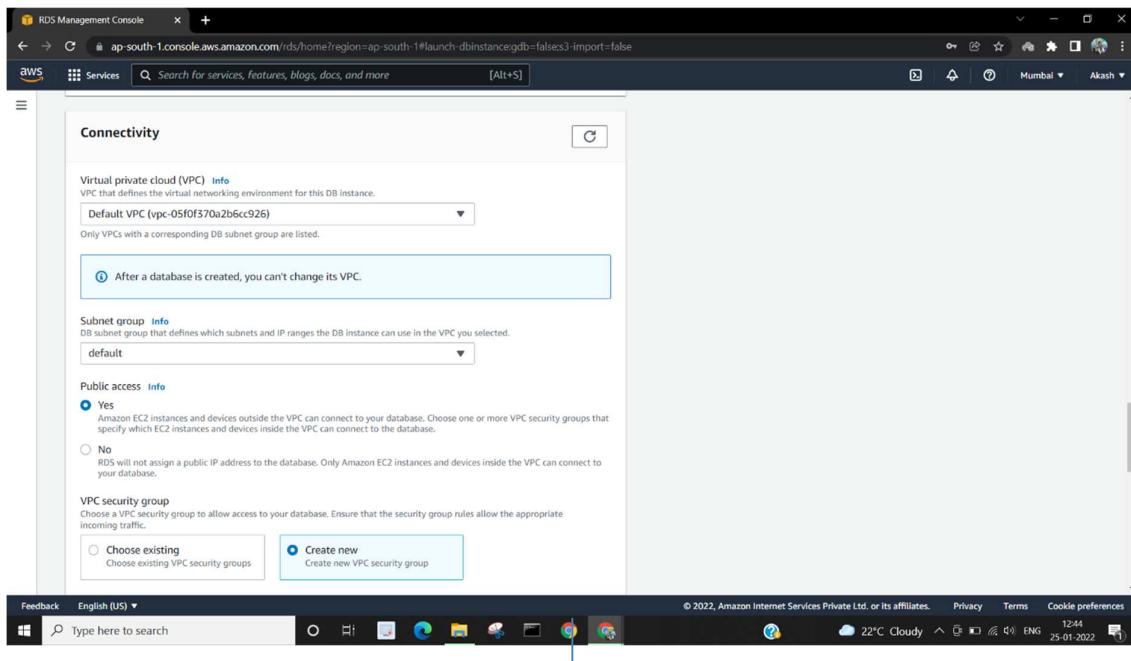
\*STEP BY STEP PROCEDURE IS AS PER FOLLOWING SCREENSHOTS:



# AWS IAAC RDS-MySQL, EC2-Shell Creation and Script Execution



# AWS IAAC RDS-MySQL, EC2-Shell Creation and Script Execution



# AWS IAAC RDS-MySQL, EC2-Shell Creation and Script Execution

The screenshot shows the AWS RDS Management Console. On the left, a sidebar menu includes 'Amazon RDS' (selected), 'Dashboard', 'Databases' (selected), 'Query Editor', 'Performance Insights', 'Schemas', 'Automated backups', 'Reserved instances', 'Proxies', 'Subnet groups', 'Parameter groups', 'Option groups', 'Events', 'Event subscriptions', 'Recommendations', and 'Certificate update'. The main area is titled 'Creating database mydatabase-one' with the sub-instruction 'Your database might take a few minutes to launch.' A 'View credential details' button is at the top right. Below is a 'Databases' table with one row: 'mydatabase-one' (Instance: MySQL Community, Region & AZ: ap-south-1a, Size: db.t2.micro, Status: Creating). Buttons include 'Group resources', 'Modify', 'Actions', 'Restore from S3', and 'Create database'.



The screenshot shows the 'Launch Instance wizard | EC2 Management Console'. The title bar says 'ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard'. The main content area has a message: 'You've been invited to try an early, beta iteration of the new launch instance wizard. We will continue to improve the experience over the next few months. We're asking customers for their feedback on this early release. To exit the new launch instance wizard at any time, choose the Cancel button.' Below is a navigation bar with tabs: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage, 5. Add Tags, 6. Configure Security Group, 7. Review. The '1. Choose AMI' tab is selected. A 'Cancel and Exit' button is at the top right. The 'Quick Start' section shows search results for 'Amazon Linux'. Two items are listed: 'Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type' and 'Amazon Linux 2 AMI (HVM) - Kernel 4.14, SSD Volume Type'. Both are described as 'Free tier eligible' and mention 'Amazon Linux 2 comes with five years support. It provides Linux kernel 5.10 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras. This AMI is the successor of the Amazon Linux AMI that is now under maintenance only mode and has been removed from this wizard.' Root device type: ebs, Virtualization type: hvm, ENA Enabled: Yes. Each item has a 'Select' button. A search bar at the top left contains 'Search for an AMI by entering a search term e.g. "Windows"'.



# AWS IAAC RDS-MySQL, EC2-Shell Creation and Script Execution

Screenshot of the AWS RDS Management Console showing the "Launch instance wizard | EC2" step 3: Configure Instance Details. The "Auto-assign Public IP" dropdown is open, showing options: Enable, Use subnet setting (Enable), Enable (selected), and Disable. Other configuration fields include Network (vpc-050f370a2b6cc926), Subnet (No preference), Hostname type (Enable), DNS Hostname (checkboxes for IPv4 and IPv6), Placement group (checkbox), Capacity Reservation (Open), Domain join directory (No directory), and IAM role (None). Buttons at the bottom include Cancel, Previous, Review and Launch (highlighted in blue), and Next: Add Storage.



Screenshot of the AWS RDS Management Console showing the "Launch instance wizard | EC2" step 3: Configure Instance Details. The "Auto-assign Public IP" dropdown is open, showing options: Enable, Use subnet setting (Enable), Enable (selected), and Disable. The "Subnet" dropdown shows available subnets: No preference (default subnet in any Availability Zone), subnet-0fd0d38111b9aaeef4 (Default in ap-south-1b), subnet-0607c180e41935531 (Default in ap-south-1a), and subnet-0d261c67c2545ab76 (Default in ap-south-1c). Other configuration fields include Network (vpc-050f370a2b6cc926), Hostname type (checkboxes for IPv4 and IPv6), Placement group (checkbox), Capacity Reservation (Open), Domain join directory (No directory), and IAM role (None). Buttons at the bottom include Cancel, Previous, Review and Launch (highlighted in blue), and Next: Add Storage.



# AWS IAAC RDS-MySQL, EC2-Shell Creation and Script Execution

Step 5: Add Tags

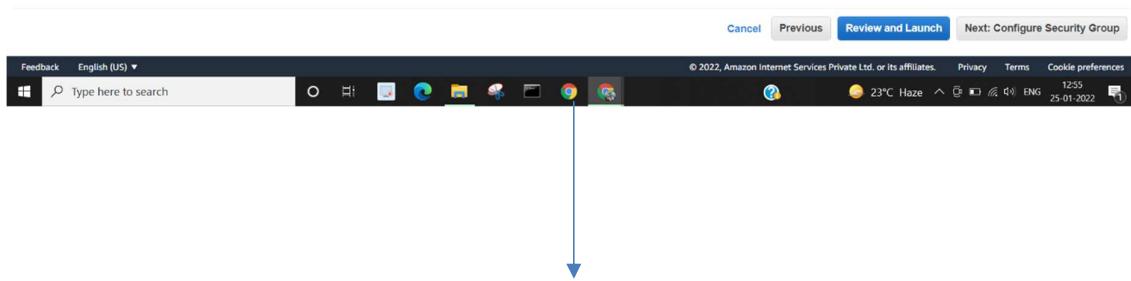
A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver.

A copy of a tag can be applied to volumes, instances or both.

Tags will be applied to all instances and volumes. Learn more about tagging your Amazon EC2 resources.

Key	(128 characters maximum)	Value	(256 characters maximum)	Instances	Volumes	Network Interfaces
name		ec2-myrd		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Add another tag (Up to 50 tags maximum)



Step 6: Configure Security Group

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. Learn more about Amazon EC2 security groups.

Assign a security group:  Create a new security group  Select an existing security group

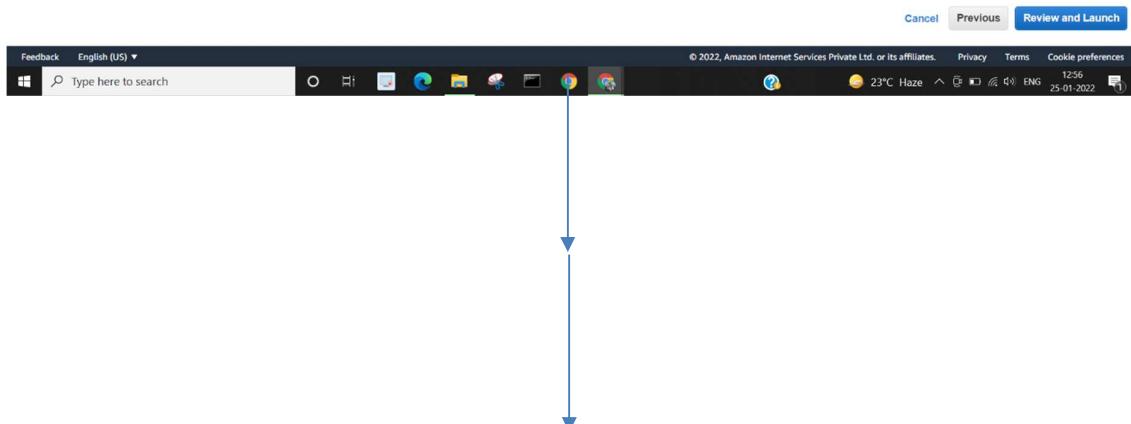
Security group name: ec2-RDSinstance

Description: launch-wizard-4 created 2022-01-25T12:55:19.051+05:30

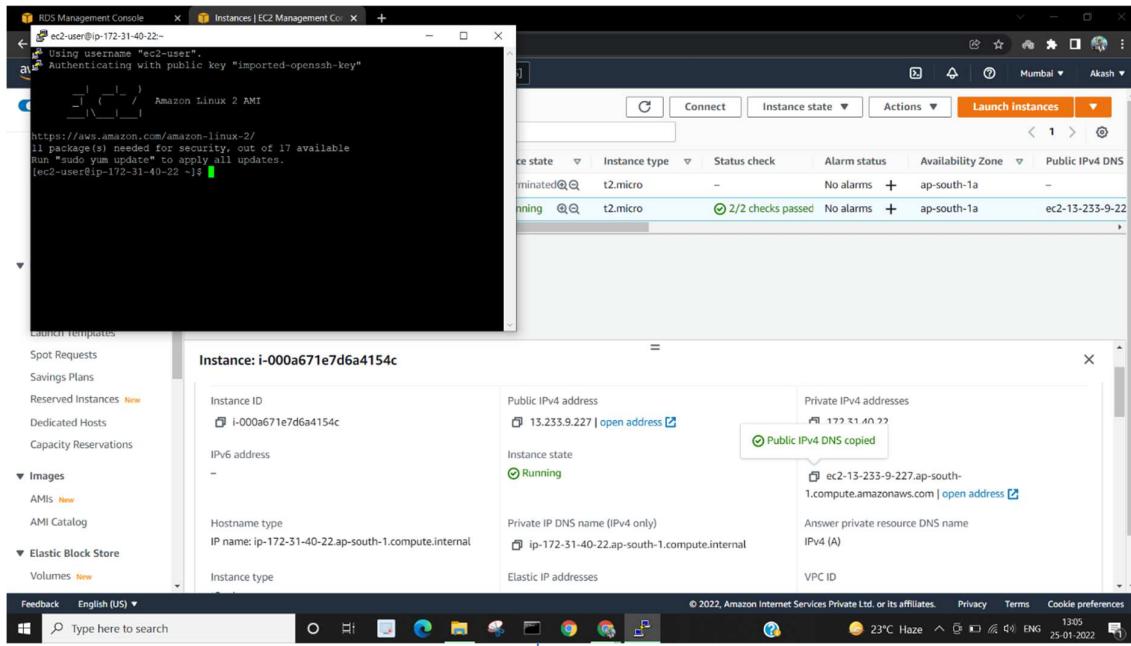
Type	Protocol	Port Range	Source	Description
SSH	TCP	22	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop
MySQL/Aurora	TCP	3306	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop

Add Rule

**Warning**  
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.



# AWS IAAC RDS-MySQL, EC2-Shell Creation and Script Execution



The terminal session on the EC2 instance shows the following steps:

```
root@ip-172-31-40-22:/home/ec2-user
# Using username "ec2-user".
# Authenticating with public key "imported-openssh-key"
[ec2-user@ip-172-31-40-22 ~]$ sudo su
[ec2-user@ip-172-31-40-22 ec2-user]# yum install mysql
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core
Resolving Dependencies
--> Running transaction check
-->> Package mariadb.x86_64 1:5.5.68-1.amzn2 will be installed
-->> Finished Dependency Resolution
Dependencies Resolved

=====
Package           Arch      Version            Repository        Size
=====
Installing:
mariadb          x86_64   1:5.5.68-1.amzn2    amzn2_core       8.0 M
Transaction Summary
=====
Install 1 Package

total download size: 8.0 M
Installed size: 49 M
Is this ok [y/d/N]: y
Downloading packages:
mariadb-1:5.5.68-1.amzn2.x86_64.rpm                                8.8 MB  00:00:00
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : mariadb-5.5.68-1.amzn2.x86_64                               1/1
  Verifying  : mariadb-5.5.68-1.amzn2.x86_64                               1/1

Installed:
  mariadb.x86_64 1:5.5.68-1.amzn2

Complete!
[ec2-user@ip-172-31-40-22 ec2-user]#
```

The status bar at the bottom right shows '23°C Haze', 'ENG', and the date '25-01-2022'.



# AWS IAAC RDS-MySQL, EC2-Shell Creation and Script Execution

The screenshot shows the AWS RDS Management Console for the 'mydatabase-one' instance. The 'Summary' tab is selected, displaying details such as DB identifier (mydatabase-one), CPU usage (5.25%), Status (Available), Class (db.t2.micro), Role (Instance), Current activity (0 Connections), Engine (MySQL Community), and Region & AZ (ap-south-1a). Below the summary, there are tabs for Connectivity & security, Monitoring, Logs & events, Configuration, Maintenance & backups, and Tags.



The screenshot shows the AWS EC2 Management Console under the 'Security Groups' section. It displays a single security group named 'sg-021d1093feba3b90d' (rds-sg) associated with the VPC 'vpc-05f0f370a2b6cc926'. The 'Inbound rules' tab shows one rule allowing traffic from the VPC. The 'Details' tab shows the security group's configuration.



# AWS IAAC RDS-MySQL, EC2-Shell Creation and Script Execution

The following steps outline the process of creating an EC2 instance, setting up its security group, and then connecting to it via RDS:

- Step 1: Set up EC2 Security Group**
  - Open the EC2 Management Console.
  - Navigate to **Security Groups** > **sg-021d1093fea3b90d - rds-sg**.
  - Click on **Edit inbound rules**.
  - Add a new rule for **MySQL/Aurora** (Type), **TCP** (Protocol), and port **3306**.
  - Under **Source**, search for **ec2** and select **ec2-RDSInstance | sg-01a7bdcf8887fc0ef**.
  - Click **Save rules**.
- Step 2: Create an EC2 Instance**
  - Open the EC2 Management Console.
  - Click on **Instances**.
  - Create a new instance with the following details:
    - Image**: Amazon Linux 2 (HVM, SSD Volume Type)
    - Instance Type**: db.t2.micro
    - Region & AZ**: ap-south-1a
    - Security Groups**: rds-sg
    - Network interface**: Use existing network interface
    - Block device mapping**: /dev/sda1 (Amazon EBS, 20 GiB, General Purpose (SSD))
  - Click **Launch**.
- Step 3: Connect to the EC2 Instance via RDS**
  - Open the RDS Management Console.
  - Navigate to **Databases**.
  - Select the database **mydatabase-one**.
  - On the **Connectivity & security** tab, note the **Endpoint** (**mydatabase-one.cc130mmndmo.ap-south-1.rds.amazonaws.com**) and **Port** (**3306**).
  - On the **Security group rules** tab, note the **VPC security groups** (**rds-sg (sg-021d1093fea3b90d)**).

# AWS IAAC RDS-MySQL, EC2-Shell Creation and Script Execution

```
root@ip-172-31-40-22:/home/ec2-user#
Using username "ec2-user".
Authenticating with public key "imported-ssh-key"
[ec2-user@ip-172-31-40-22 ~]# 
[ec2-user@ip-172-31-40-22 ~]# 
[ec2-user@ip-172-31-40-22 ~]# 
https://aws.amazon.com/amazon-linux-2/
11 package(s) needed for security, out of 17 available
Run 'sudo yum update' to apply all updates.
[ec2-user@ip-172-31-40-22 ~]# sudo su
[ec2-user@ip-172-31-40-22 ec2-user]# yum install mysql
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core
Resolving Dependencies
--> Running transaction check
--> Package mariadb.x86_64 1:5.5.68-1.amzn2 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

=====
Transaction Summary
=====
Install 1 Package

Total download size: 8.8 M
Installed size: 49 M
Is this ok (y/d/N): y
Downloading packages:
mariadb-5.5.68-1.amzn2.x86_64.rpm
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : 1:mariadb-5.5.68-1.amzn2.x86_64
  Verifying  : 1:mariadb-5.5.68-1.amzn2.x86_64

Installed:
  mariadb.x86_64 1:5.5.68-1.amzn2

Complete!
[ec2-user@ip-172-31-40-22 ec2-user]# mysql -h mydatabase-one.ccl30mmndmo.ap-south-1.rds.amazonaws.com -P 3306 -u admin -p
[ec2-user@ip-172-31-40-22 ~]# 
```



```
root@ip-172-31-40-22:/home/ec2-user#
11 package(s) needed for security, out of 17 available
Run 'sudo yum update' to apply all updates.
[ec2-user@ip-172-31-40-22 ~]# sudo su
[ec2-user@ip-172-31-40-22 ec2-user]# yum install mysql
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core
Resolving Dependencies
--> Running transaction check
--> Package mariadb.x86_64 1:5.5.68-1.amzn2 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

=====
Transaction Summary
=====
Install 1 Package

Total download size: 8.8 M
Installed size: 49 M
Is this ok (y/d/N): y
Downloading packages:
mariadb-5.5.68-1.amzn2.x86_64.rpm
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : 1:mariadb-5.5.68-1.amzn2.x86_64
  Verifying  : 1:mariadb-5.5.68-1.amzn2.x86_64

Installed:
  mariadb.x86_64 1:5.5.68-1.amzn2

Complete!
[ec2-user@ip-172-31-40-22 ec2-user]# mysql -h mydatabase-one.ccl30mmndmo.ap-south-1.rds.amazonaws.com -P 3306 -u admin -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \q.
Your MySQL connection id is 20
Server version: 8.0.27 Source distribution

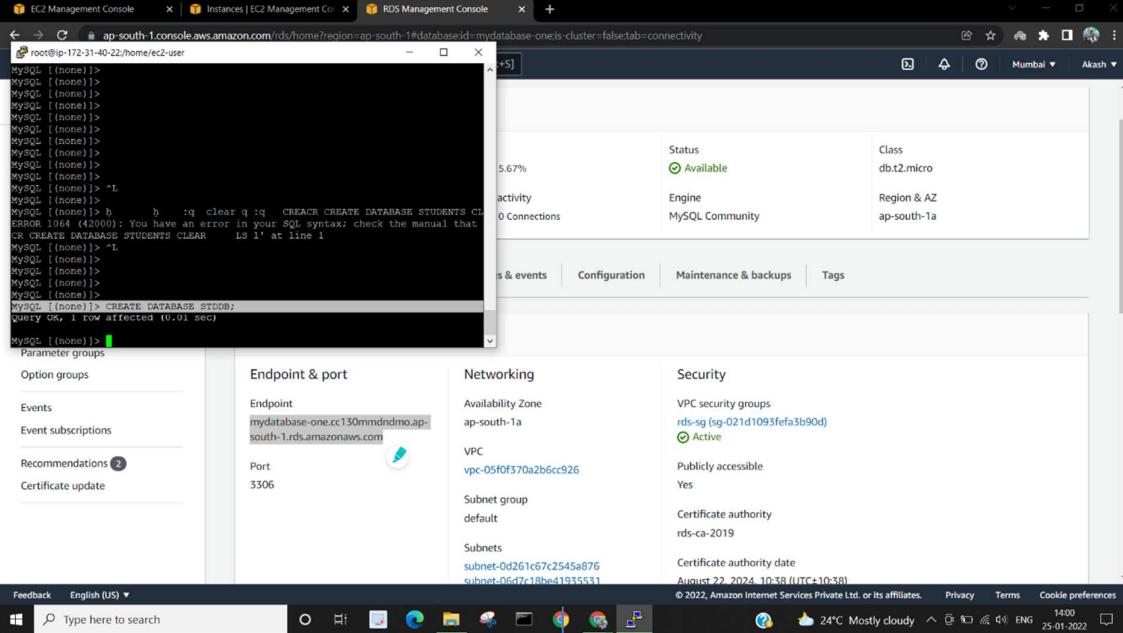
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MySQL [(none)]>
```



# AWS IAAC RDS-MySQL, EC2-Shell Creation and Script Execution



EC2 Management Console Instances | EC2 Management Console RDS Management Console

root@ip-172-31-40-22:~# mysql -u root -p  
Enter password: \*\*\*\*  
Welcome to the MySQL monitor. Commands end with ; or \g.  
Your MySQL connection id is 1 to host: localhost via TCP port 3306  
Server version: 8.0.29 MySQL Community Server - GPL  
  
Copyright (c) 2000, 2024, Oracle and/or its affiliates. All rights reserved.  
This software includes Oracle proprietary software as defined in the license agreement  
included with this product.  
Type 'help' or '\h' for help.  
Type '\c' to clear the current input statement.  
  
MySQL [(none)]> CREATE DATABASE STUDENTS;  
Query OK, 1 row affected (0.01 sec)  
  
MySQL [(none)]> SHOW DATABASES;  
Parameter groups

Endpoint & port

Endpoint mydatabase-one.cc130mmndmno.ap-south-1.rds.amazonaws.com

Port 3306

Networking

Availability Zone ap-south-1a

VPC vpc-05f0f370a2b6cc926

Subnet group default

Subnets subnet-0d261c67c2545a876  
subnet-0fd7c13be41935531

Security

VPC security groups rds-sg (sg-021d1093fefa3b90d)

Publicly accessible Yes

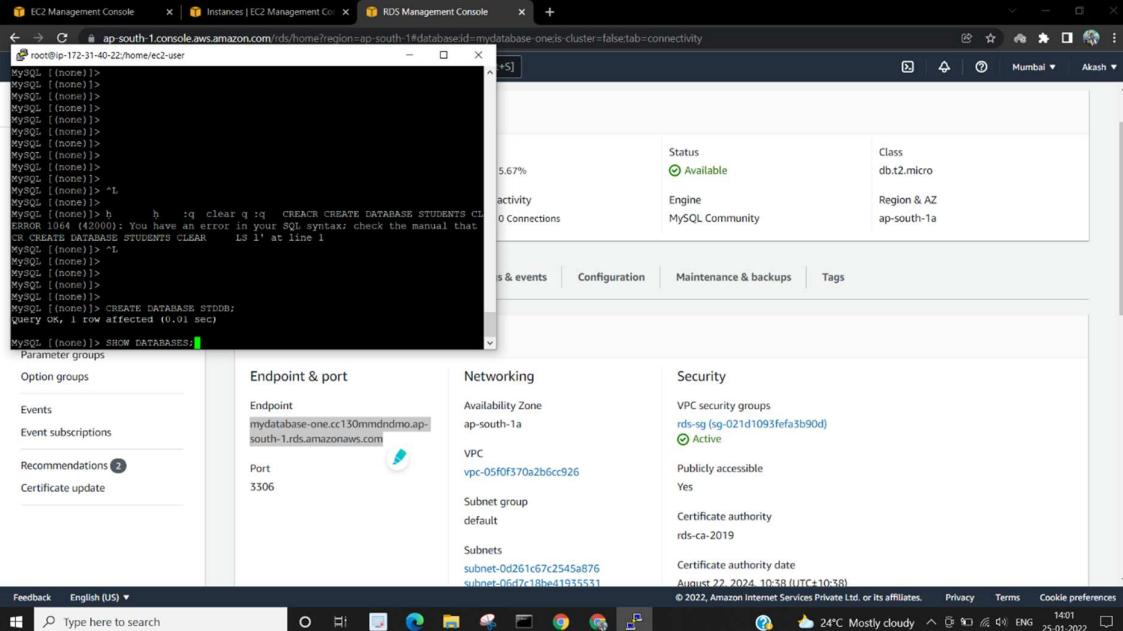
Certificate authority rds-ca-2019

Certificate authority date August 22, 2024, 10:38 (UTC+10:38)

Feedback English (US) ▾

Type here to search

24°C Mostly cloudy ENG 1400 25-01-2022



EC2 Management Console Instances | EC2 Management Console RDS Management Console

root@ip-172-31-40-22:~# mysql -u root -p  
Enter password: \*\*\*\*  
Welcome to the MySQL monitor. Commands end with ; or \g.  
Your MySQL connection id is 1 to host: localhost via TCP port 3306  
Server version: 8.0.29 MySQL Community Server - GPL  
  
Copyright (c) 2000, 2024, Oracle and/or its affiliates. All rights reserved.  
This software includes Oracle proprietary software as defined in the license agreement  
included with this product.  
Type 'help' or '\h' for help.  
Type '\c' to clear the current input statement.  
  
MySQL [(none)]> CREATE DATABASE STUDENTS;  
Query OK, 1 row affected (0.01 sec)  
  
MySQL [(none)]> SHOW DATABASES;  
Parameter groups

Endpoint & port

Endpoint mydatabase-one.cc130mmndmno.ap-south-1.rds.amazonaws.com

Port 3306

Networking

Availability Zone ap-south-1a

VPC vpc-05f0f370a2b6cc926

Subnet group default

Subnets subnet-0d261c67c2545a876  
subnet-0fd7c13be41935531

Security

VPC security groups rds-sg (sg-021d1093fefa3b90d)

Publicly accessible Yes

Certificate authority rds-ca-2019

Certificate authority date August 22, 2024, 10:38 (UTC+10:38)

Feedback English (US) ▾

Type here to search

24°C Mostly cloudy ENG 1401 25-01-2022

# AWS IAAC RDS-MySQL, EC2-Shell Creation and Script Execution

The screenshot shows the AWS RDS Management Console interface. On the left, a terminal window displays MySQL commands being run on an EC2 instance. The command `CREATE DATABASE STUDENTS CLEAR` is issued, resulting in an error message: "ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'b :q clear q :q' at line 1". This indicates a syntax error in the command. Following this, `CREATE DATABASE STDBB;` is run successfully, with one row affected. The right side of the screen shows the RDS instance configuration, including the endpoint (mydatabase-one.cc130mmdndmo.ap-south-1.rds.amazonaws.com), port (3306), VPC (vpc-05f0f370a2b6cc926), and security group (rds-sg (sg-021d1093fefafab90d)). The status is shown as Available.



The screenshot shows an EC2 terminal session with a MySQL prompt. The user runs the command `CREATE DATABASE STUDENTS CLEAR` again, which fails due to the same syntax error as in the RDS console. However, the command `CREATE DATABASE STDBB;` is run successfully, with one row affected. Finally, the command `SHOW DATABASES;` is run, displaying the list of databases: mysql, performance\_schema, sys, information\_schema, and STDBB. The terminal window also shows other MySQL commands like `USE STDBB;` and `SELECT \* FROM STUDENTS;`.

# AWS IAAC RDS-MySQL, EC2-Shell Creation and Script Execution

```
root@ip-172-31-40-22:/home/ec2-user
Server version: 8.0.27 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.

MySQL [(none)]> SHOW DATABASES
-> :q
-> :q
-> b   :q clear q :q CREACR CREATE DATABASE STUDENTS CLEAR    LS ls :ws : i: exit exit exit      *EXIT * * EXIT * exit exit CREACR :wq;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near ':q
:b
:b   :q clear q :q CREACR CREATE DATABASE STUDENTS CLEAR  ' at line 2
MySQL [(none)]> CREATE DATABASE STUDENTS;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'CREATE DATABASE STUDENTS'
MySQL [(none)]> SHOW DATABASES;
MySQL [(none)]> SHOW DATABASES;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
5 rows in set (0.00 sec)

MySQL [(none)]> SHOW STDOB;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'STDOB' at line 1
MySQL [(none)]> DATABASES STDOB;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'DATABASES STDOB' at line 1
MySQL [(none)]> SHOW DATABASES STDOB;
MySQL [(none)]> SHOW DATABASES :q :b   :q clear q :q CREACR CREATE DATABASE STUDENTS CLEAR    LS ls :ws : i: exit exit exit      *EXIT * * EXIT * exit exit CREACR :wq;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'DATABASES STDOB
SHOW DATABASES :q :b
:b   :q clear q :q CREACR CR' at line 1
MySQL [(none)]> USE STDOB
Database changed
MySQL [STDOB]> SHOW TABLES;
Empty set (0.00 sec)

MySQL [STDOB]> CREATE TABLE IF NOT EXISTS students (
-> std_id INT AUTO_INCREMENT,
-> firstname VARCHAR(255) NOT NULL,
-> lastname VARCHAR(255),
-> admin_date DATE,
-> description TEXT,
-> PRIMARY KEY (std_id)
-> ) ENGINE=INNODB;

```



```
root@ip-172-31-40-22:/home/ec2-user
:q
:b   :q clear q :q CREACR CREATE DATABASE STUDENTS CLEAR  ' at line 2
MySQL [(none)]> CREATE DATABASE STUDENTS;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'CREATE DATABASE STUDENTS' at line 1
MySQL [(none)]> CREATE DATABASE STUDENTS;
ERROR 1007 (HY000): Can't create database 'STUDENTS'; database exists
MySQL [(none)]> SHOW DATABASES;
+-----+
| Database |
+-----+
| STDOB |
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
5 rows in set (0.00 sec)

MySQL [(none)]> SHOW STDOB;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'STDOB' at line 1
MySQL [(none)]> DATABASES STDOB;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'DATABASES STDOB' at line 1
MySQL [(none)]> SHOW DATABASES :q :b   :q clear q :q CREACR CREATE DATABASE STUDENTS CLEAR    LS ls :ws : i: exit exit exit      *EXIT * * EXIT * exit exit CREACR :wq;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'DATABASES STDOB
SHOW DATABASES :q :b
:b   :q clear q :q CREACR CR' at line 1
MySQL [(none)]> USE STDOB
Database changed
MySQL [STDOB]> SHOW TABLES;
Empty set (0.00 sec)

MySQL [STDOB]> CREATE TABLE IF NOT EXISTS students (
-> std_id INT AUTO_INCREMENT,
-> firstname VARCHAR(255) NOT NULL,
-> lastname VARCHAR(255),
-> admin_date DATE,
-> description TEXT,
-> PRIMARY KEY (std_id)
-> ) ENGINE=INNODB;
Query OK, 0 rows affected (0.03 sec)

MySQL [STDOB]> SHOW TABLES;
+-----+
| Tables_in_STDOB |
+-----+
| students |
+-----+
1 row in set (0.00 sec)

MySQL [STDOB]>
```



# AWS IAAC RDS-MySQL, EC2-Shell Creation and Script Execution

```
root@ip-172-31-40-22:/home/ec2-user
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'CREATE DATABASE STDBB' at line 1
MySQL [(none)]> CREATE DATABASE STDBB;
ERROR 1007 (HY000): Can't create database 'STDBB'; database exists
MySQL [(none)]> SHOW DATABASES;
+-----+
| Database |
+-----+
| STDBB   |
| information_schema |
| mysql   |
| performance_schema |
| sys     |
+-----+
5 rows in set (0.00 sec)

MySQL [(none)]> SHOW STDBB;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'STDBB' at line 1
MySQL [(none)]> DATABASES STDBB;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'DATABASES STDBB' at line 1
MySQL [(none)]> USE STDBB
-> SHOW DATABASES ;q :b      b :q clear q :q CREACR CREATE DATABASE STUDENTS CLEAR    LS ls :ws : i exit exit exit    *EXIT ** EXIT * exit exit CREACR :wq;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'DATABASES STDBB'
SHOW DATABASES ;q :b      b :q clear q :q CREACR CR' at line 1
MySQL [(none)]> USE STDBB
Database changed
MySQL [STDBB]> SHOW TABLES;
Empty set (0.00 sec)

MySQL [STDBB]> CREATE TABLE IF NOT EXISTS students (
-> std_id INT AUTO INCREMENT,
-> firstname VARCHAR(255) NOT NULL,
-> lastname VARCHAR(255),
-> admin_date DATE,
-> description TEXT,
-> PRIMARY KEY (std_id)
-> ) ENGINE=INNODB;
Query OK, 0 rows affected (0.03 sec)

MySQL [STDBB]> SHOW TABLES;
+-----+
| Tables_in_STDBB |
+-----+
| students         |
+-----+
1 row in set (0.00 sec)

MySQL [STDBB]> INSERT INTO students (firstname , lastname) VALUES ('Fortify' , 'Solutions');
Query OK, 1 row affected (0.00 sec)

MySQL [STDBB]>
```



```
root@ip-172-31-40-22:/home/ec2-user
+-----+
| information_schema |
| mysql   |
| performance_schema |
| sys     |
+-----+
5 rows in set (0.00 sec)

MySQL [(none)]> SHOW STDBB;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'STDBB' at line 1
MySQL [(none)]> DATABASES STDBB;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'DATABASES STDBB' at line 1
MySQL [(none)]> USE STDBB
-> SHOW DATABASES ;q :b      b :q clear q :q CREACR CREATE DATABASE STUDENTS CLEAR    LS ls :ws : i exit exit exit    *EXIT ** EXIT * exit exit CREACR :wq;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'DATABASES STDBB'
SHOW DATABASES ;q :b      b :q clear q :q CREACR CR' at line 1
MySQL [(none)]> USE STDBB
Database changed
MySQL [STDBB]> SHOW TABLES;
Empty set (0.00 sec)

MySQL [STDBB]> CREATE TABLE IF NOT EXISTS students (
-> std_id INT AUTO INCREMENT,
-> firstname VARCHAR(255) NOT NULL,
-> lastname VARCHAR(255),
-> admin_date DATE,
-> description TEXT,
-> PRIMARY KEY (std_id)
-> ) ENGINE=INNODB;
Query OK, 0 rows affected (0.03 sec)

MySQL [STDBB]> SHOW TABLES;
+-----+
| Tables_in_STDBB |
+-----+
| students         |
+-----+
1 row in set (0.00 sec)

MySQL [STDBB]> INSERT INTO students (firstname , lastname) VALUES ('Fortify' , 'Solutions');
Query OK, 1 row affected (0.00 sec)

MySQL [STDBB]> SELECT * FROM students;
+-----+
| std_id | firstname | lastname | admin_date | description |
+-----+
| 1      | Fortify   | Solutions | NULL       | NULL        |
+-----+
1 row in set (0.00 sec)

MySQL [STDBB]>
```



# AWS IAAC RDS-MySQL, EC2-Shell Creation and Script Execution

```
root@ip-172-31-40-22:/home/ec2-user
MySQL [STDDB]> CREATE TABLE IF NOT EXISTS students (
-> std_id INT AUTO_INCREMENT,
-> firstname VARCHAR(255) NOT NULL,
-> lastname VARCHAR(255),
-> admin_date DATE,
-> description TEXT,
-> PRIMARY KEY (std_id)
-> ) ENGINE=INNODB;
Query OK, 0 rows affected (0.03 sec)

MySQL [STDDB]> SHOW TABLES;
+-----+
| Tables in STDDB |
+-----+
| students |
+-----+
1 row in set (0.00 sec)

MySQL [STDDB]> INSERT INTO students (firstname , lastname) VALUES ('Fortify' , 'Solutions');
Query OK, 1 row affected (0.00 sec)

MySQL [STDDB]> SELECT * FROM students;
+----+----+----+----+
| std_id | firstname | lastname | admin_date | description |
+----+----+----+----+
| 1 | Fortify | Solutions | NULL | NULL |
+----+----+----+----+
1 row in set (0.00 sec)

MySQL [STDDB]> INSERT INTO students (firstname , lastname) VALUES ('akash' , 'neel');
Query OK, 1 row affected (0.00 sec)

MySQL [STDDB]> INSERT INTO students (firstname , lastname) VALUES ('harshal' , 'patil');
Query OK, 1 row affected (0.01 sec)

MySQL [STDDB]> INSERT INTO students (firstname , lastname) VALUES ('saurabh' , 'deshmukh');
Query OK, 1 row affected (0.01 sec)

MySQL [STDDB]> SELECT * FROM students;
+----+----+----+----+
| std_id | firstname | lastname | admin_date | description |
+----+----+----+----+
| 1 | Fortify | Solutions | NULL | NULL |
| 2 | akash | neel | NULL | NULL |
| 3 | harshal | patil | NULL | NULL |
| 4 | saurabh | deshmukh | NULL | NULL |
+----+----+----+----+
4 rows in set (0.00 sec)

MySQL [STDDB]>
```

