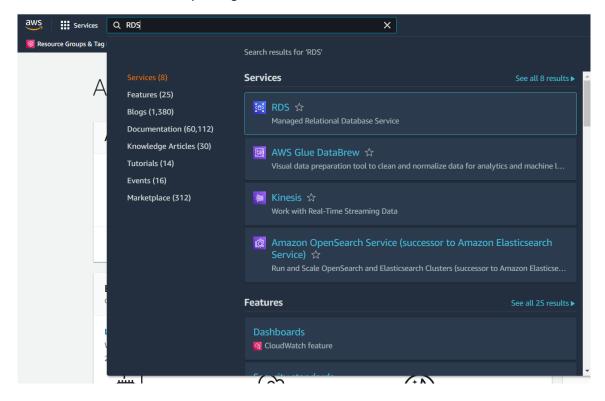
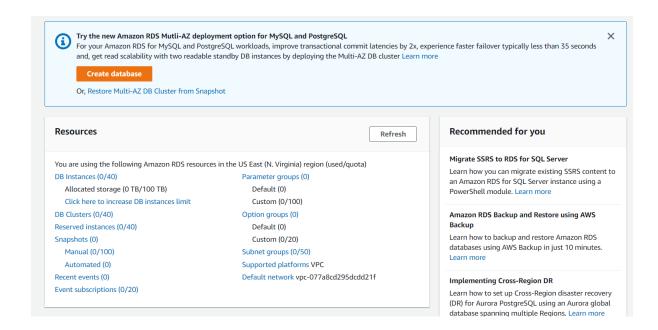
# Expt 8: DBaas

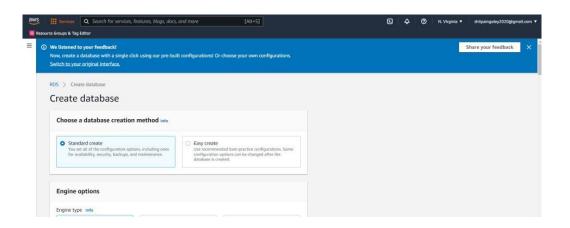
Step1: Login to aws console and search RDS



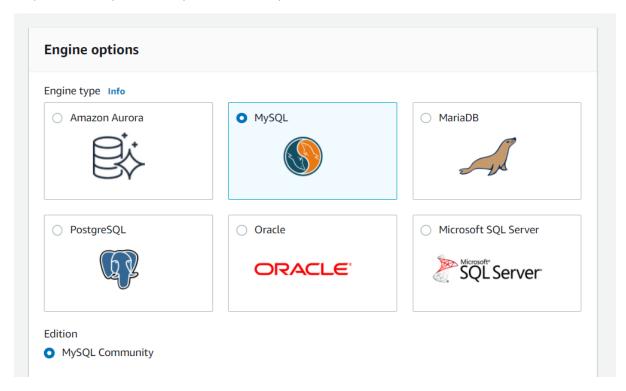
Step2: Click on to RDS and create database



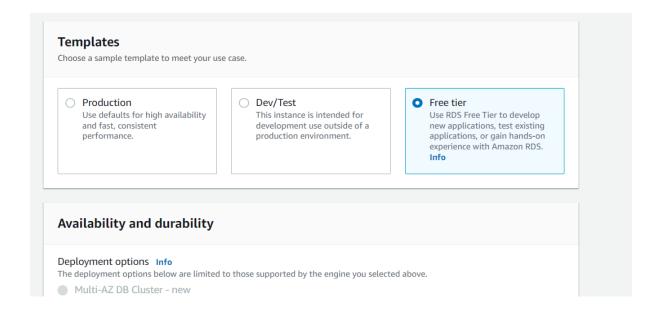
# Select standard db



Step 4: Select MySQL and MySQL Community edition



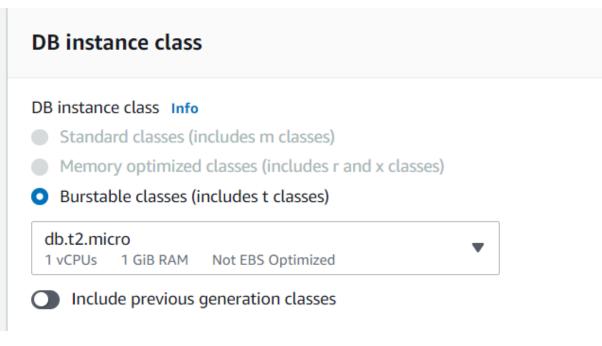
Step 5:In Templates select Free tier



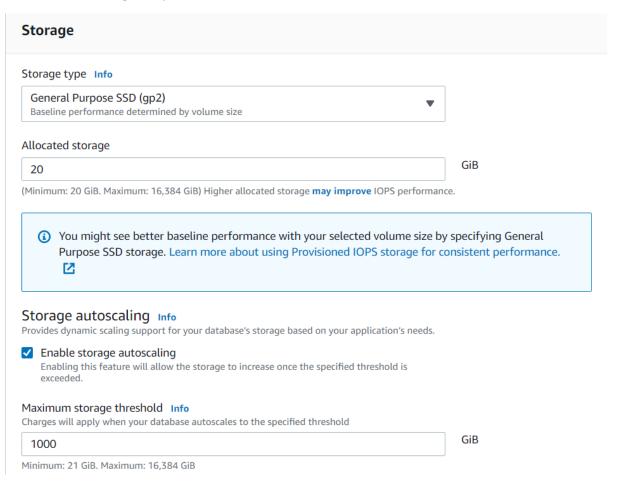
Step 6: Mention database name (default is database1) and username and password

DB instance identifier Info  Type a name for your DB instance. The name must be unique across all DB instances owned by your AWS account in the current AWS Region.
databaseShilpa
The DB instance identifier is case-insensitive, but is stored as all lowercase (as in "mydbinstance"). Constraints: 1 to 60 alphanumeric characters or hyphens. First character must be a letter. Can't contain two consecutive hyphens. Can't end with a hyphen.
▼ Credentials Settings
Master username Info Type a login ID for the master user of your DB instance.
admin
1 to 16 alphanumeric characters. First character must be a letter.
Auto generate a password  Amazon RDS can generate a password for you, or you can specify your own password.
Master password Info
••••••
Constraints: At least 8 printable ASCII characters. Can't contain any of the following: / (slash), '(single quote), "(double quote) and @ (at sign).
Confirm password Info
••••••

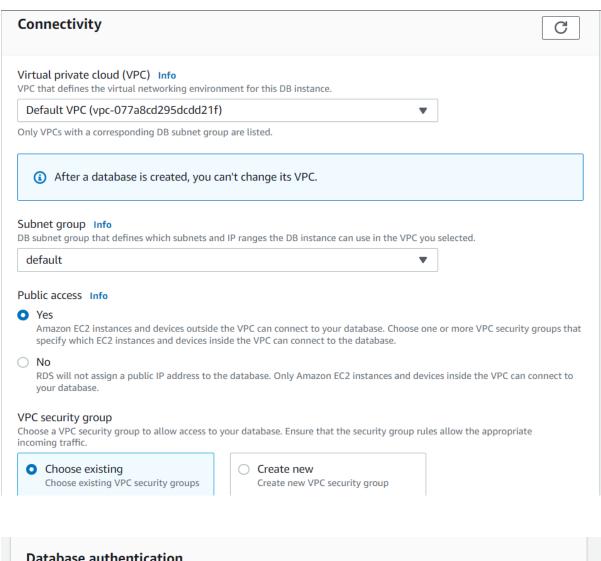
Step 7: Instance is t2.micro

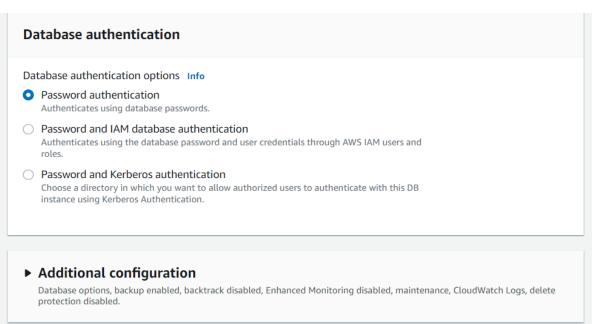


• Rest of things keep default

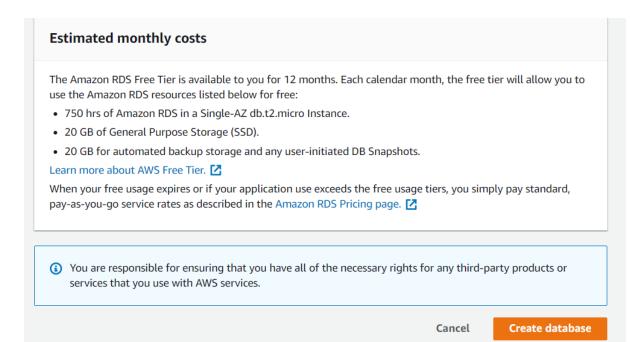


Step 8: Select Public Acess -Yes





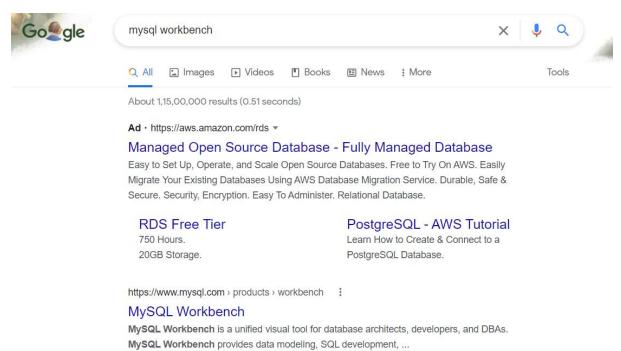
Step 9: Click on to create Database



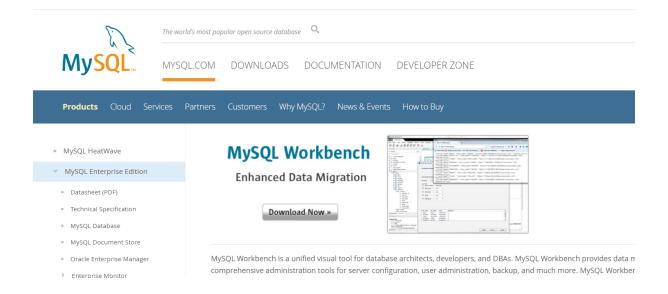
Step 10: It will take some time

Creating database <u>databaseshilpa</u>
 Your database might take a few minutes to launch.

Step 11: Go to google type mysql workbench



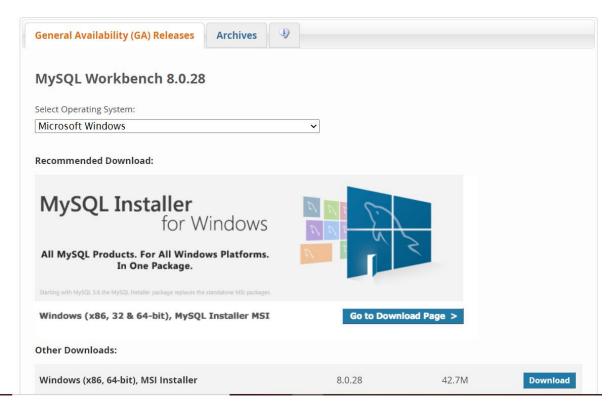
Step 12: Click on to download



Step 12: MySQL community download - Microsoft Windows

# MySQL Community Downloads

MySQL Workbench



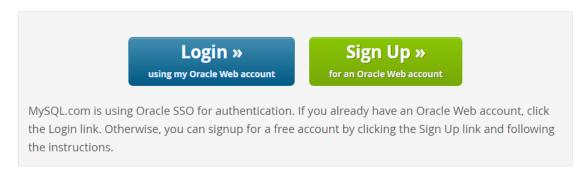
Step 13: Click on to - No thanks , just download

# MySQL Community Downloads

### Login Now or Sign Up for a free account.

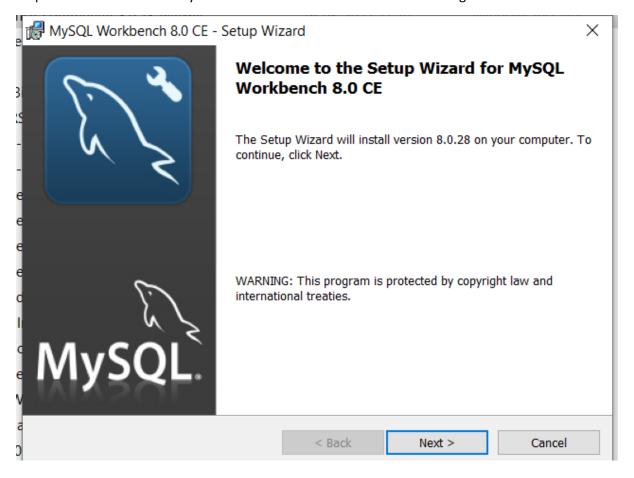
An Oracle Web Account provides you with the following advantages:

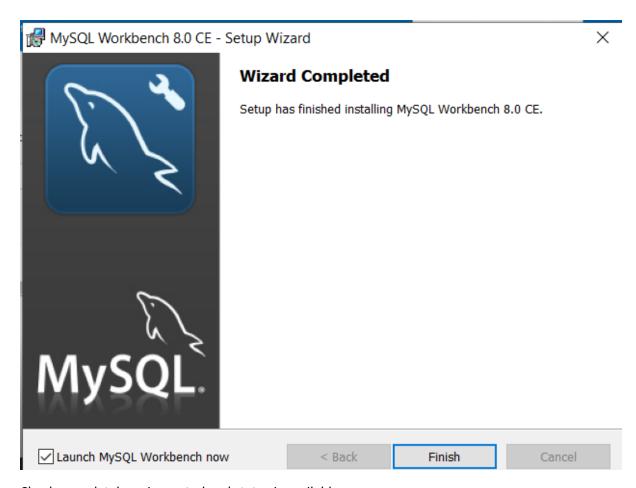
- Fast access to MySQL software downloads
- Download technical White Papers and Presentations
- Post messages in the MySQL Discussion Forums
- Report and track bugs in the MySQL bug system



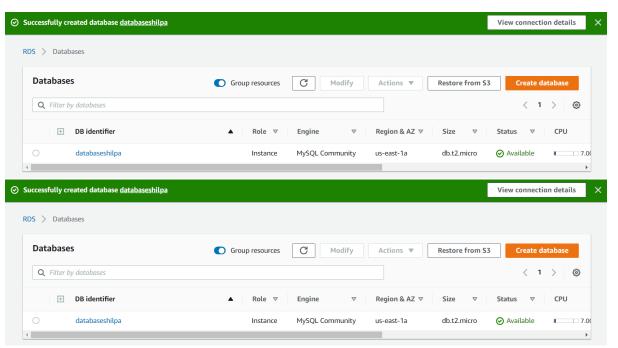
## No thanks, just start my download.

Step 14: Go to downloads of your machine and install it with default settings

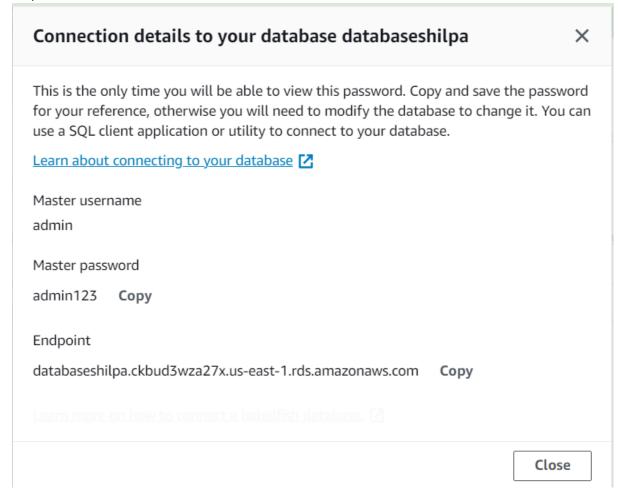




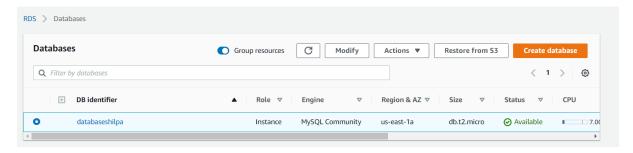
Check your database is created and status is available



Step 15: Click on to view credential



Step 16: Click on to database

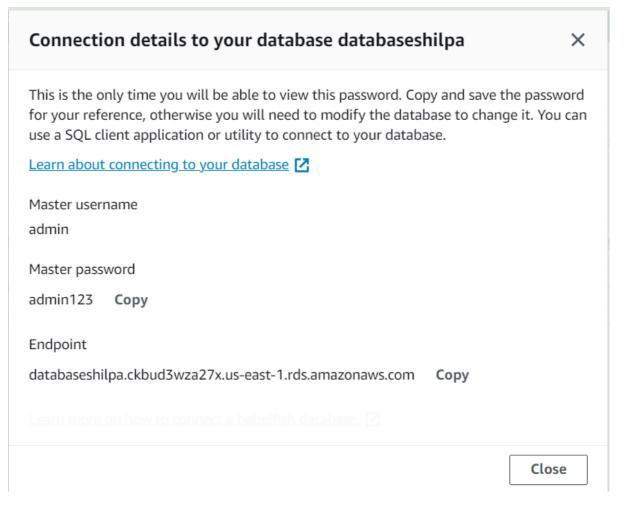


Step 17: Copy Endpoint

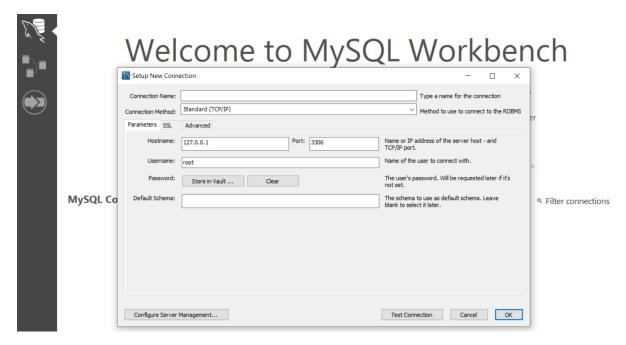
#### Connectivity & security **Endpoint & port** Networking Security Endpoint Availability Zone VPC security groups databaseshilpa.ckbud3wza27x.us-eastus-east-1a default (sg-036610ba4480732d1) 1.rds.amazonaws.com Active Publicly accessible Port vpc-077a8cd295dcdd21f 3306 Subnet group Certificate authority default-vpc-077a8cd295dcdd21f rds-ca-2019 Certificate authority date subnet-094015e82da0f7b3b subnet-02cbe7cd5ed369766 August 22, 2024, 10:38 (UTC±10:38) subnet-0d7b2afa56d87eb62 subnet-0a2fcc13fb4efb791 subnet-053abb590d758e78f

subnet-01dc967aa77a447d6

Step 18: Go back to workbench



Step 20: Click on to mysql connection



Step 21:

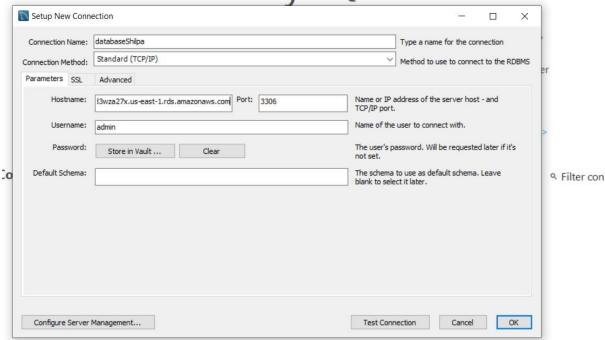
Paste copied endpoint in Hostname

Connection Name: databaseShilpa

Username: admin

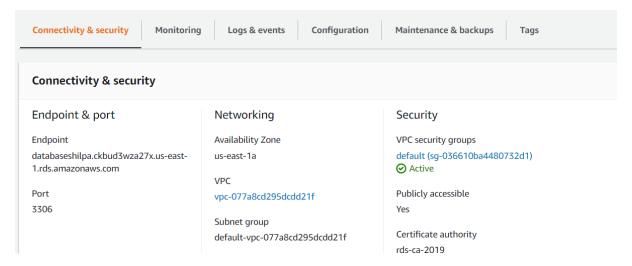
Click on to Test Connection

Welcome to MySQL Workbench

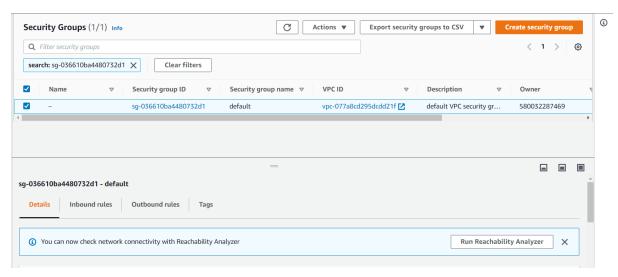


Enter admin password

Step 22: Go to vpc security group



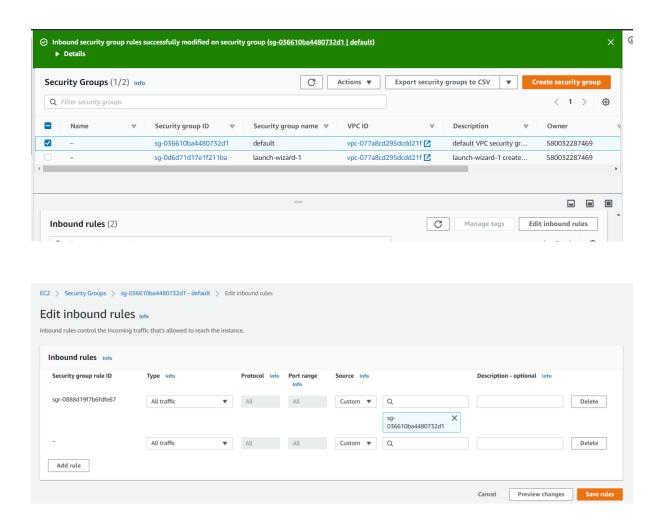
Step 23: Click on to inbound rules



Step 24: First select Click on to Edit inbound rule add rule select ipv4 --all traffic (add 0.0.0.0./0) and save Rules

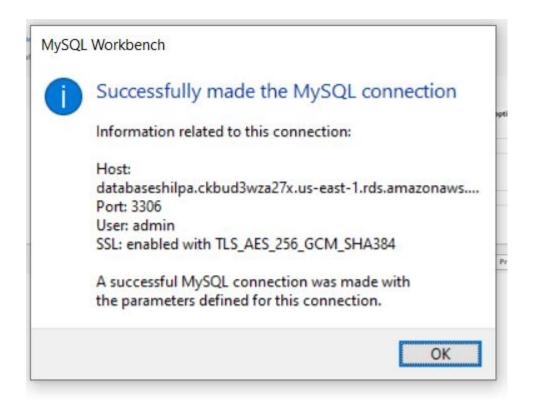
(important step to add inbound rule)

ound rules Info								
curity group rule ID	Type Info		Protocol Info	Port range Info	Source Info		Description - optional Info	
-0888d19f7b6fdfe67	All traffic	•	All	All	Custom ▼	Q		Delete
						sg- X 036610ba4480732d1		
	All traffic	•	All	All	Anywh ▼	Q		Delete
						0.0.0.0/0 🗙		



Step 22: Goto workbench (after giving details click on to Test Connection)

Welcome to MySQL Workbench Connection Name: databaseshilpa Type a name for the connection Connection Method: Standard (TCP/IP) Method to use to connect to the RDBMS Parameters SSL Connect to MySQL Server 13wza27x.us-east-1.rds.a Please enter password for the following service: Service: Mysql@databaseshilpa.ckbud3wza27x.us-east-1.rds.amazonaws.com:3306 Username: User: admin Password: Store in Vault ... QL Co Default Schema: Save password in vault OK Cancel Test Connection Cancel OK Configure Server Management...

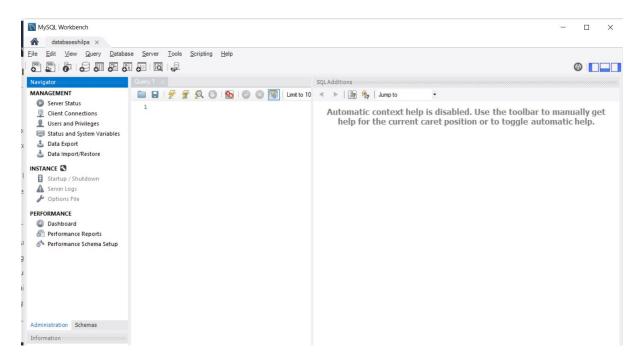


#### Click on Ok button

Go to workbench double click on connection(databaseshilpa)



It will get opened



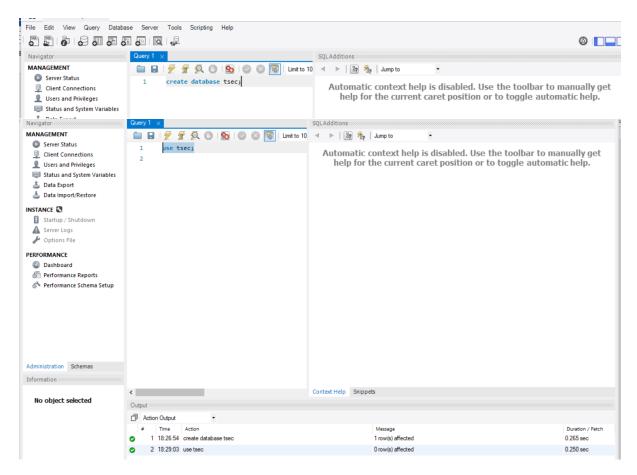
### Step 23:

Write query and execute

Create database tsec;

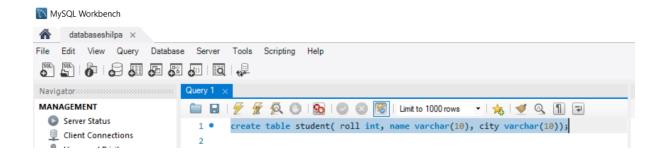
Use tsec;

Show tables;

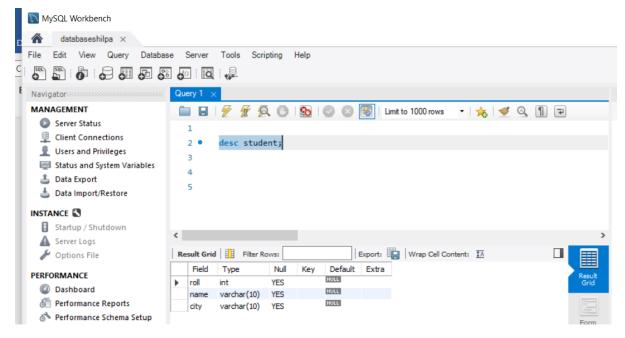


### Create table for eg:

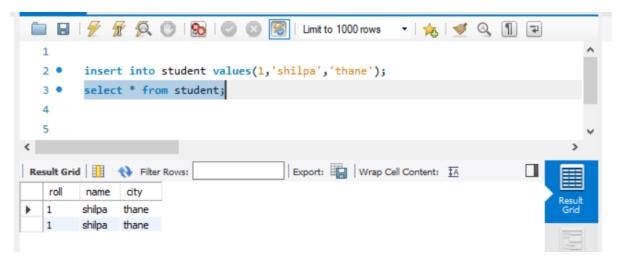
create table student( roll int, name varchar(10), city varchar(10));



Describe student;



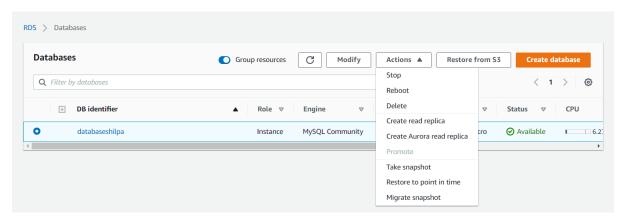
insert into student values(1,'shilpa','thane'); (Perform all CURD) operations)

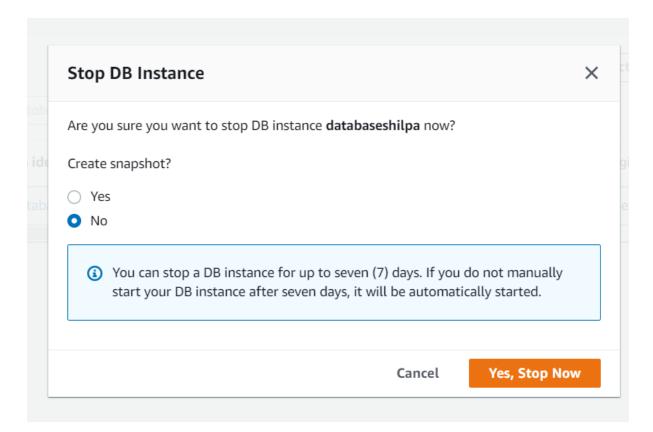


Step 24:

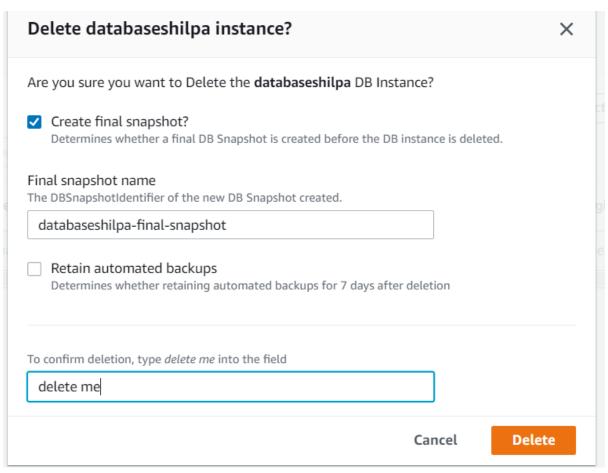
Now delete the instance (once you have done with it)

Select instance go to action stop instance and then delete instance





## Uncheck create final shapshot



✓ I acknowledge that upon instance deletion, automated backups, including system snapshots and point-in-time recovery, will no longer be available.

To confirm deletion, type delete me into the field

delete me

⚠ We strongly recommend taking a final snapshot before instance deletion since after your instance is deleted, automated backups will no longer be available.

② Cannot create a snapshot because the database instance databaseshilpa is not currently in the available state. (Service: AmazonRDS; Status Code: 400; Error Code: InvalidDBInstanceState; Request ID: d7ecab9b-a2d1-4eff-88a1-31edfa81ce11; Proxy: null)

Cancel

Delete