

In this Hands on we will see how RDS is created and how to connect to the RDS using ec2 instance.

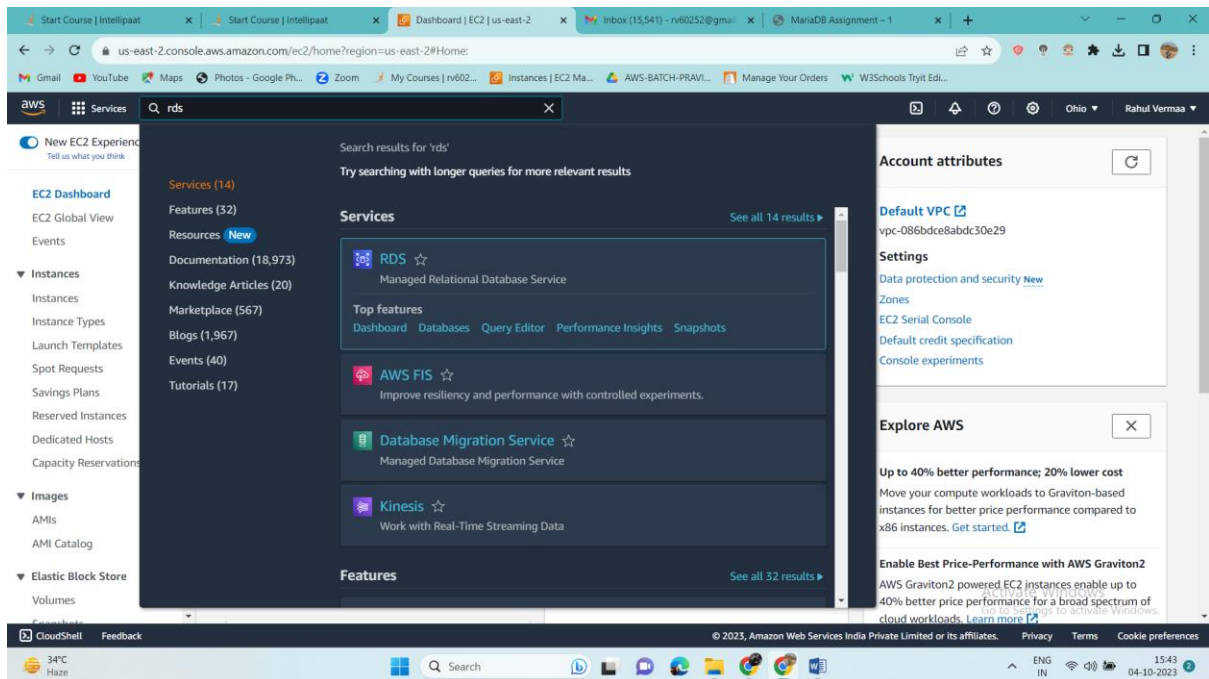
Problem Statement:

You work for XYZ Corporation. Their application requires a SQL service that can store data which can be retrieved if required. Implement a suitable RDS engine for the same.

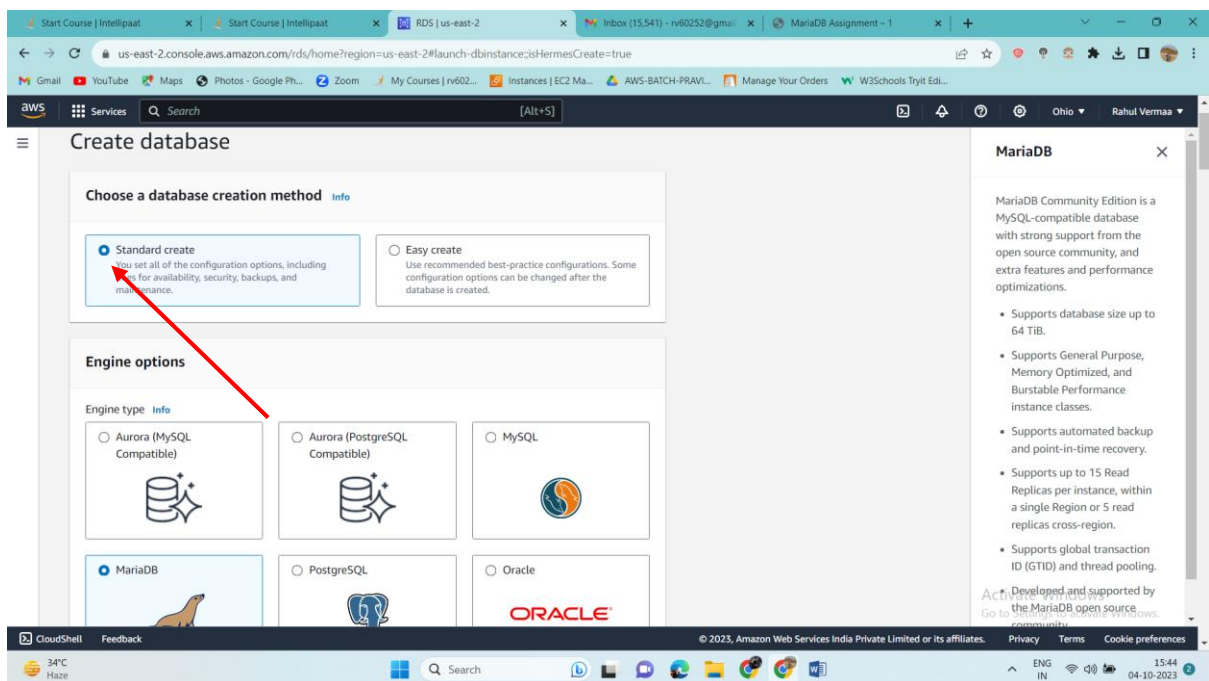
While migrating, you are asked to perform the following tasks:

1. Create a MariaDB Engine based RDS Database.
2. Connect to the DB using:
→ Linux based EC2 Instance

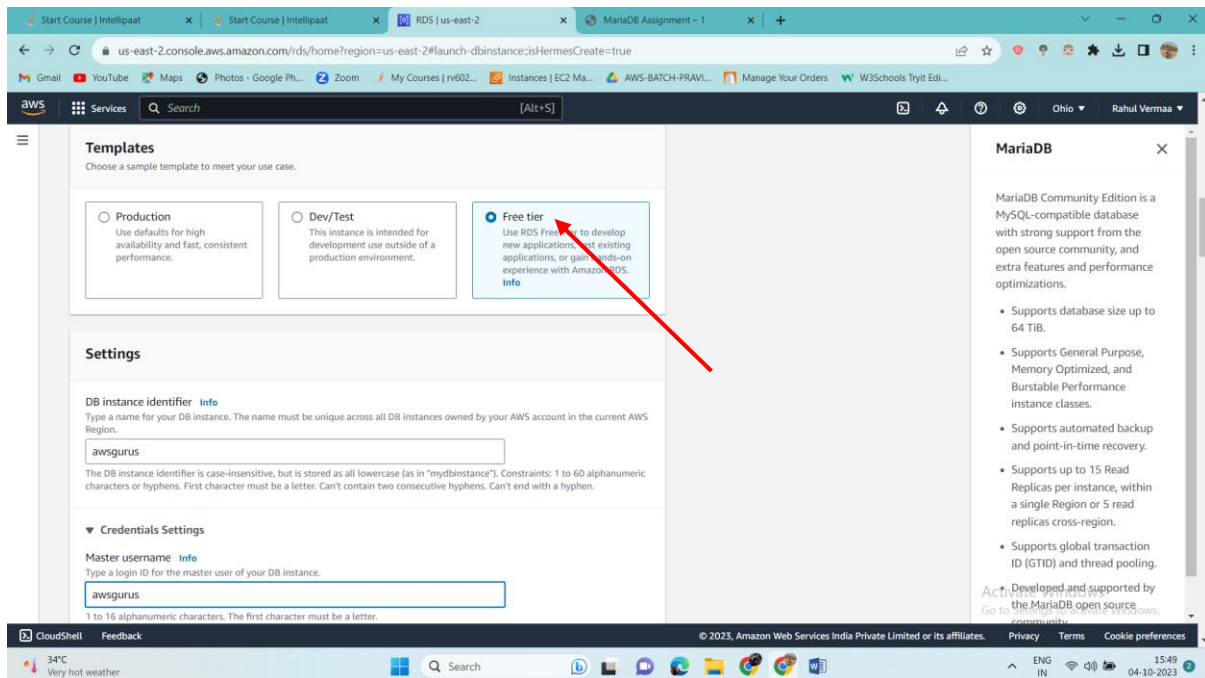
Step 1: First of all search RDS in your aws console



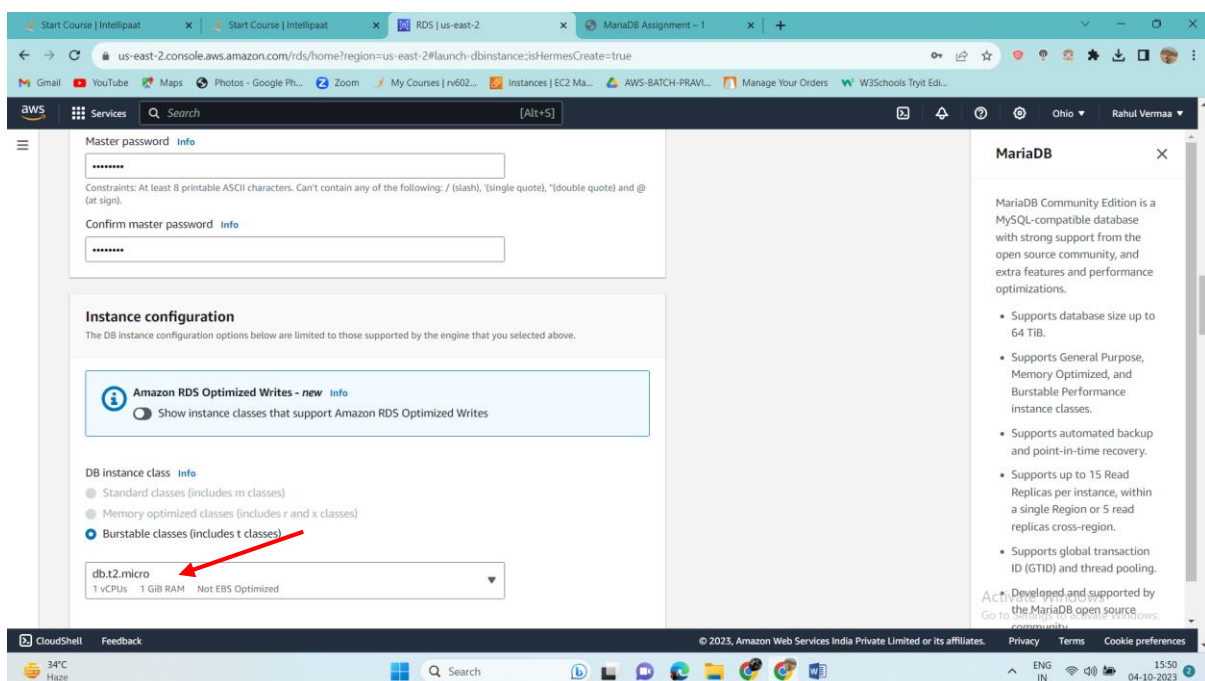
Step 2: Now click it on create database and select standard create and as per requirement we will select engine type as MariaDB



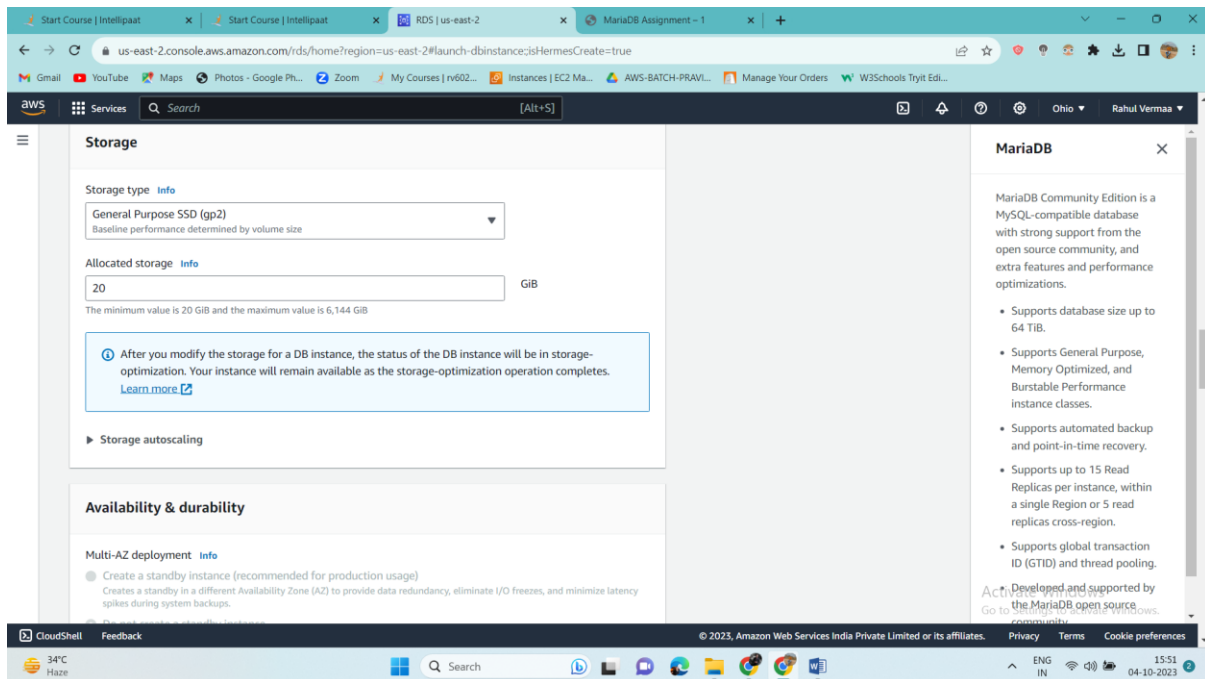
Step 3: Under templates we are going to select Free tier and our Db instance identifier is- awsgurus even our Master username is also awsgurus



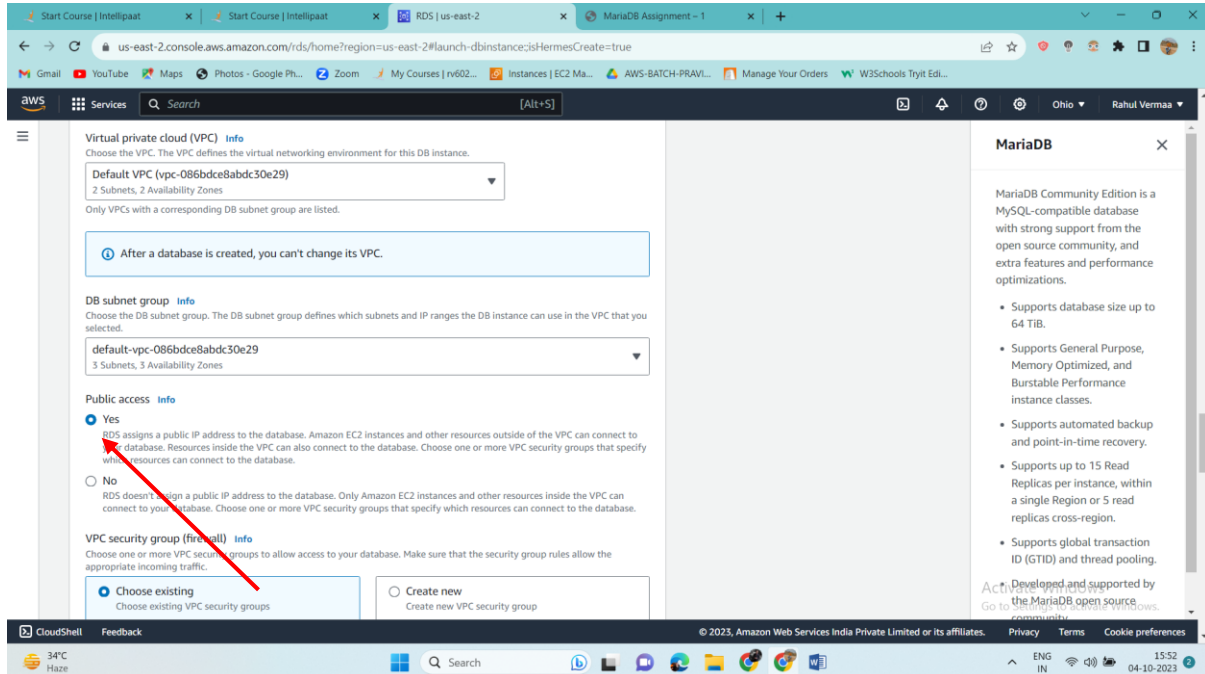
Step 4: Now will set some password i.e awsgurus and we are going to use t2.micro because it is free tier.



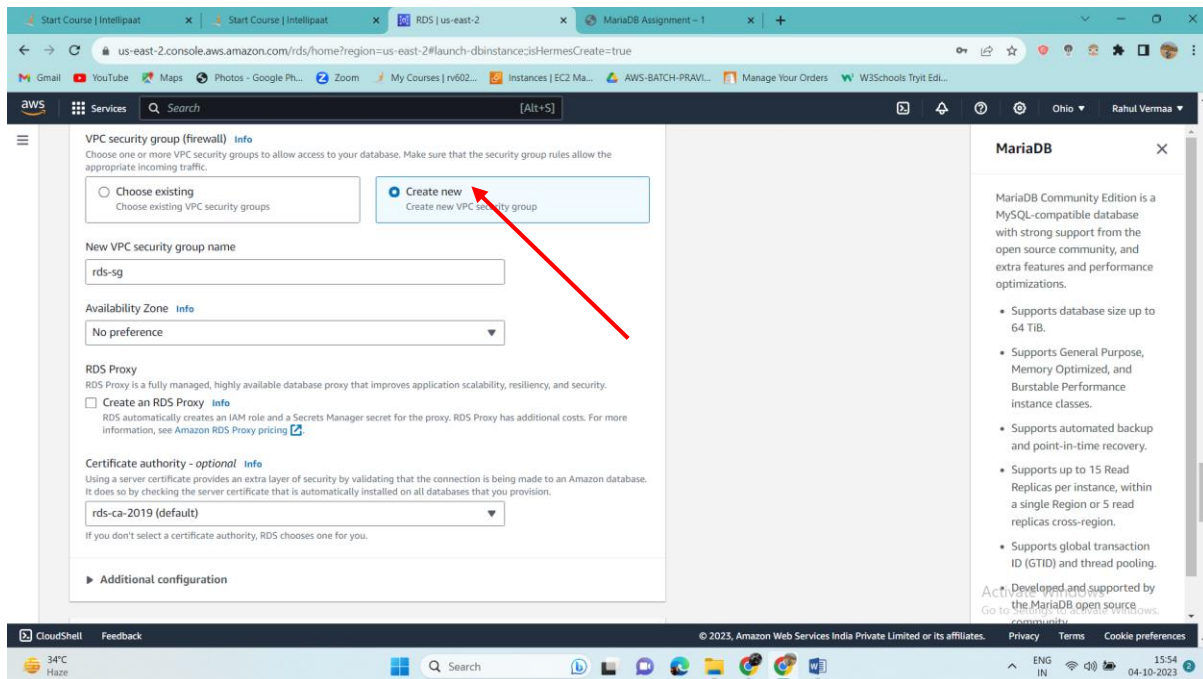
Default settings for Storage



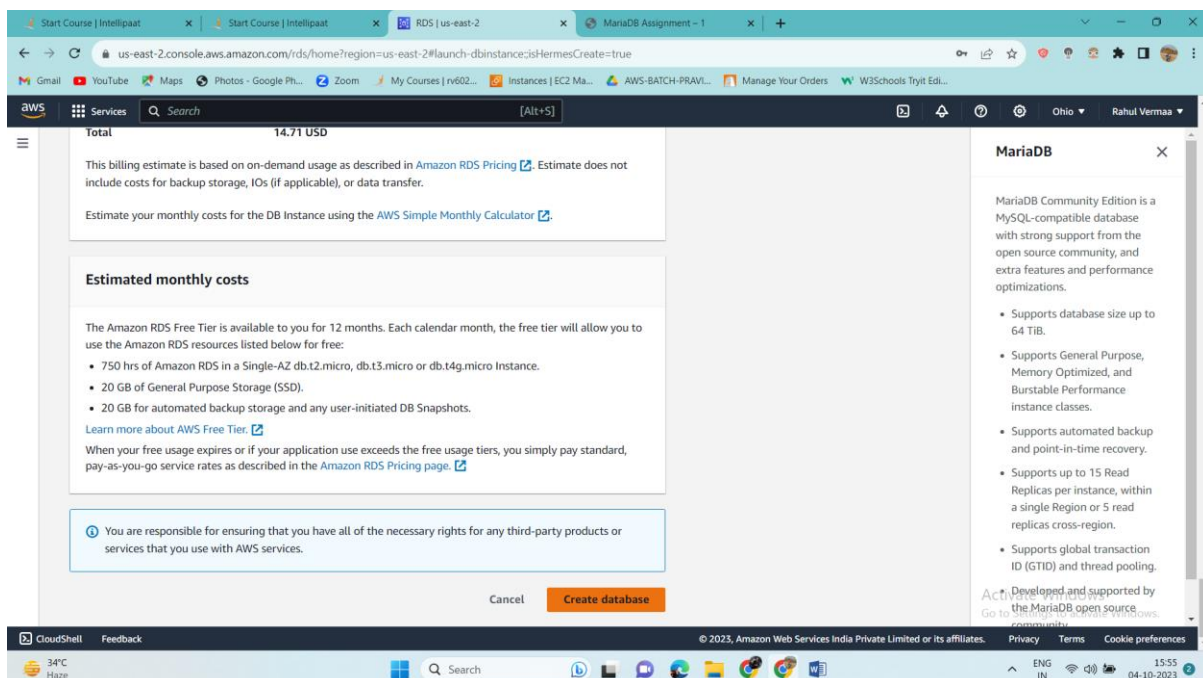
Step 5: Default vpc & subnet and we will allow public access



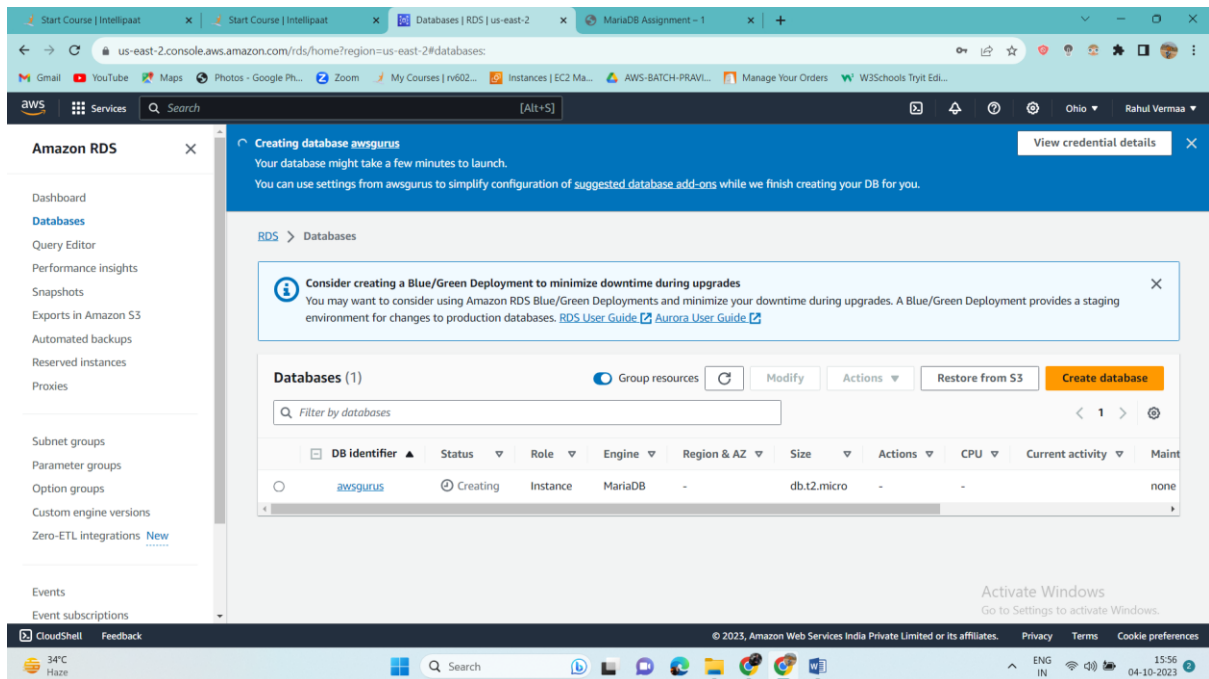
Step 6: We have to create one vpc security group, so select that



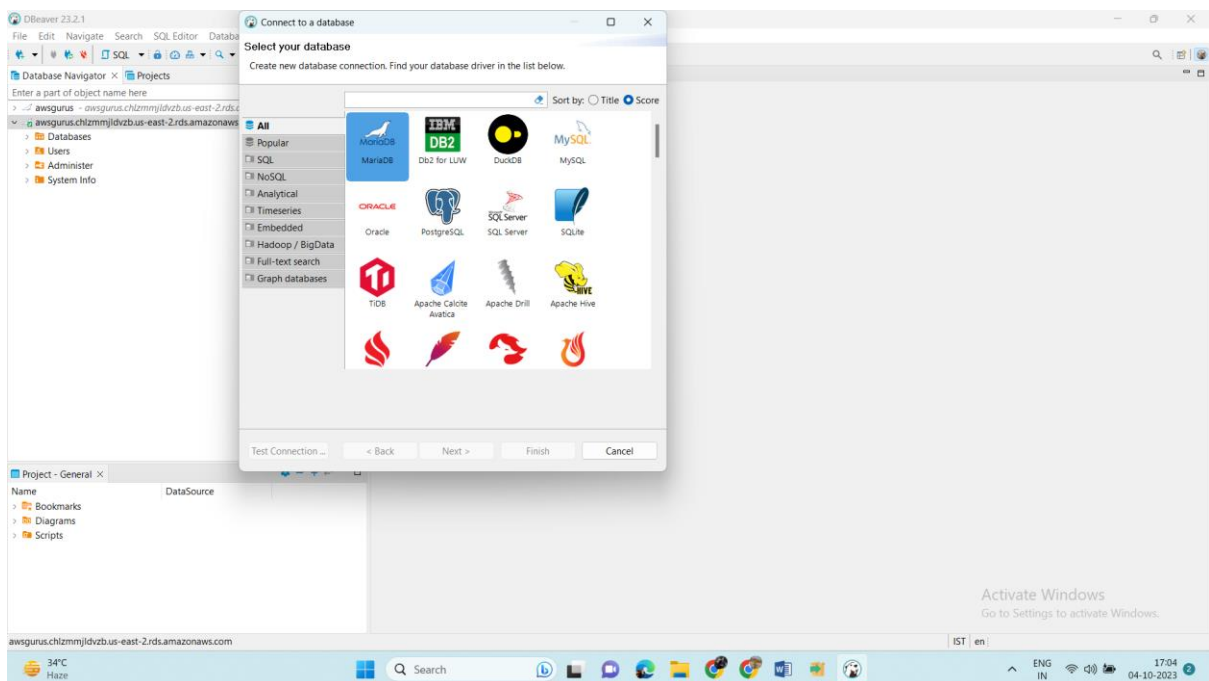
Rest all the settings and options as default and now let's create our database by clicking on create database button



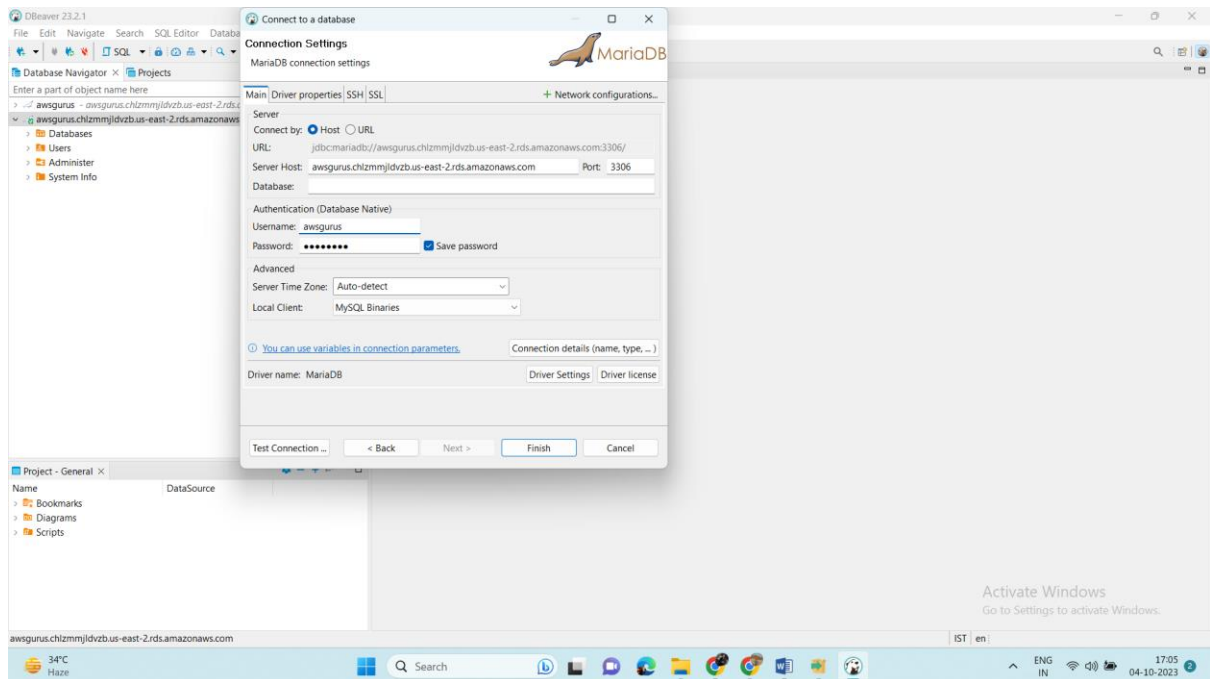
Step 7: As of now it's showing status as creating we have to wait for several minutes until it's status changes to available



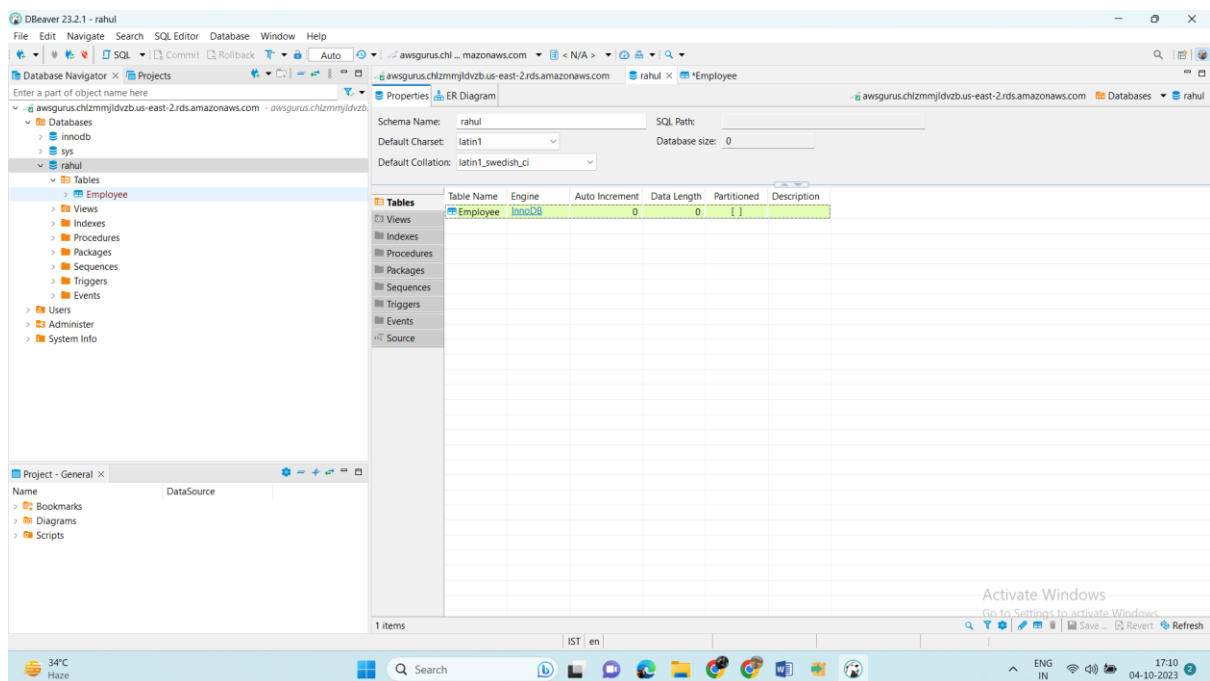
Step 8: For connecting we will use Debeavers



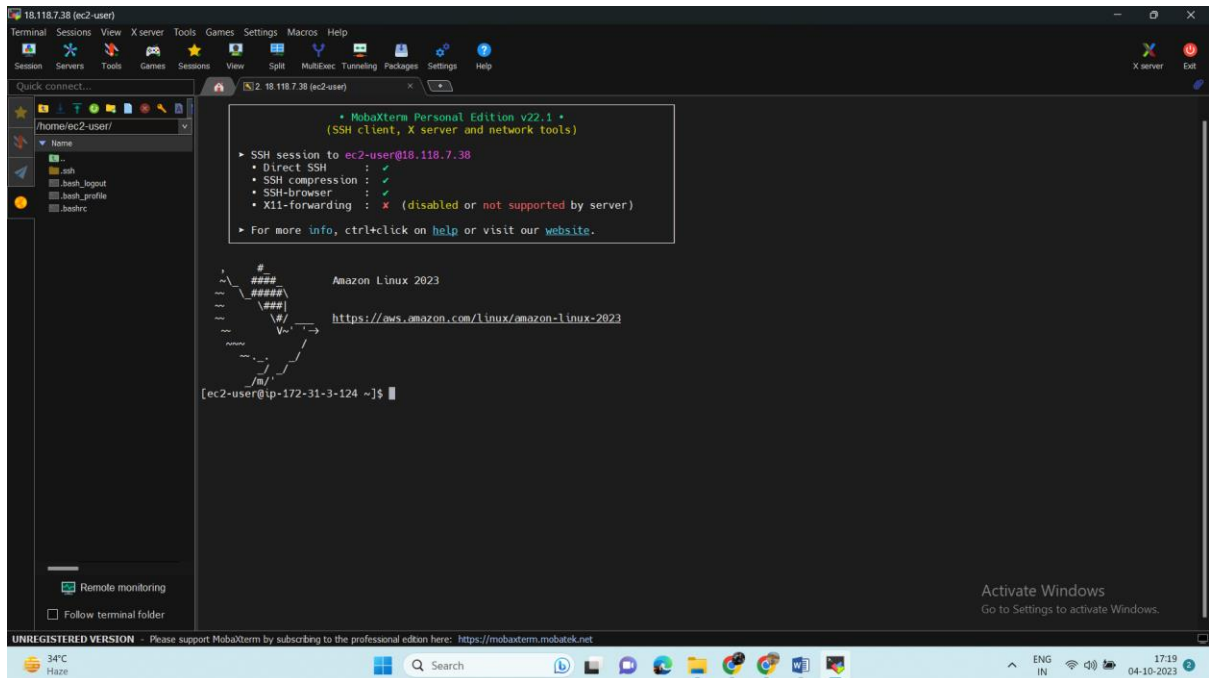
Enter the details



And we are connected to our database and now let's create one database Rahul



Step 9: Now we have connected to our instance using mobaxterm app



Write these Commands-

sudo su

sudo yum install mariadb105

mysql -s awsgurus -h "host name of db instance" -p

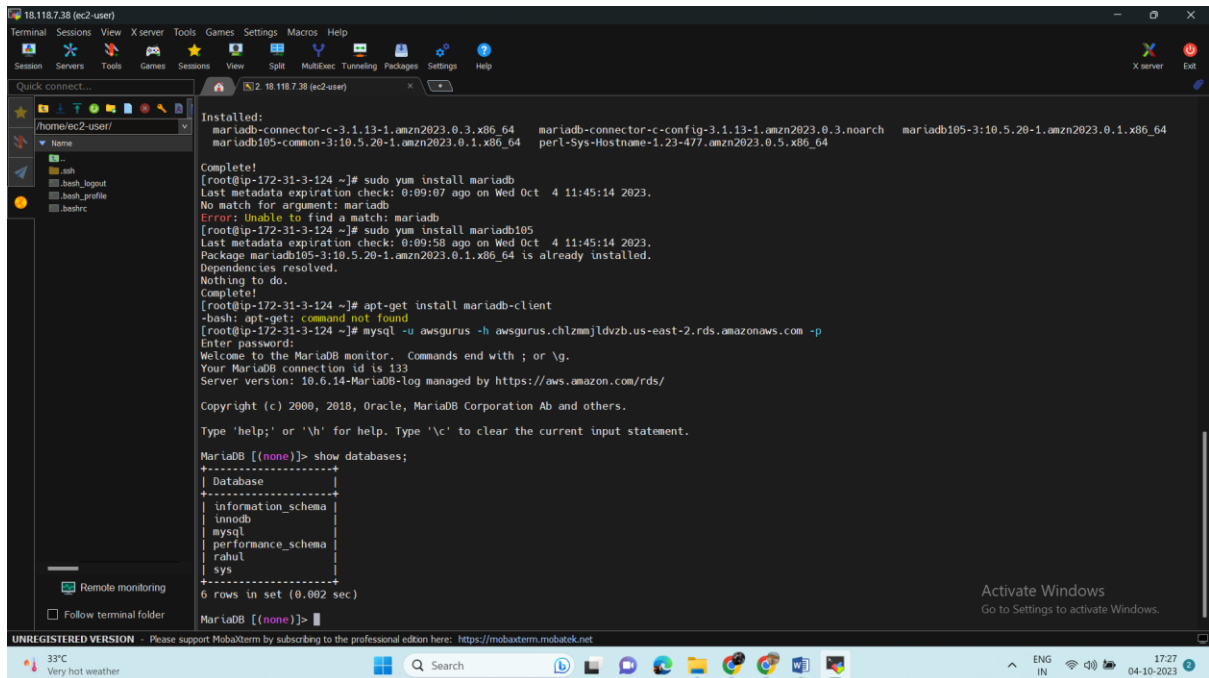
enter password: "enter your password"

you will be connected to your database

now to see databases write

show databases;

And here you can see Rahul database is already present which we have created using Dbeavers



```
18.118.7.38 (ec2-user)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split Multitask Tunneling Packages Settings Help
Quick connect...
/home/ec2-user/
Name
ssh
bash_logout
bash_profile
bashrc
Remote monitoring
Follow terminal folder

Installed:
mariadb-connector-c-3.1.13-1.amzn2023.0.3.x86_64 mariadb-connector-c-config-3.1.13-1.amzn2023.0.3.noarch mariadb105-3:10.5.20-1.amzn2023.0.1.x86_64
mariadb105-common-3:10.5.20-1.amzn2023.0.1.x86_64 perl-Sys-Hostname-1.23-477.amzn2023.0.5.x86_64

Complete!
[root@ip-172-31-3-124 ~]# sudo yum install mariadb
Last metadata expiration check: 0:09:07 ago on Wed Oct 4 11:45:14 2023.
No match for argument: mariadb
Error: Unable to find a match: mariadb
[root@ip-172-31-3-124 ~]# sudo yum install mariadb105
Last metadata expiration check: 0:09:58 ago on Wed Oct 4 11:45:14 2023.
Package mariadb105-3:10.5.20-1.amzn2023.0.1.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-172-31-3-124 ~]# apt-get install mariadb-client
-bash: apt-get: command not found
[root@ip-172-31-3-124 ~]# mysql -u awsgurus -h awsgurus.chlzmjldvzb.us-east-2.rds.amazonaws.com -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 133
Server version: 10.6.14-MariaDB-log managed by https://aws.amazon.com/rds/

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

MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| unodb |
| mysql |
| performance_schema |
| rahul |
| sys |
+-----+
6 rows in set (0.002 sec)

MariaDB [(none)]>
```