Data Migration using Amazon RDS (Iaas -> Paas)

Project Overview

In this mini project, we are moving a **datbase** from an **EC2 Instance (Iaas)** to **Amazon RDS (Paas)**.

This shows how data can be easily shifted from a self-managed databse to a managed database service.

Aim of project:

- To undestand the difference between Iaas and Paas
- To learn how to miagrate data from Ec2 MySQL to RDS MySQL
- To see how RDS makes database management easier.

Simple architecture

EC2 Instance (MySQL) ----> Amazon RDS (MySQL)

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          Iaas ----> Paas
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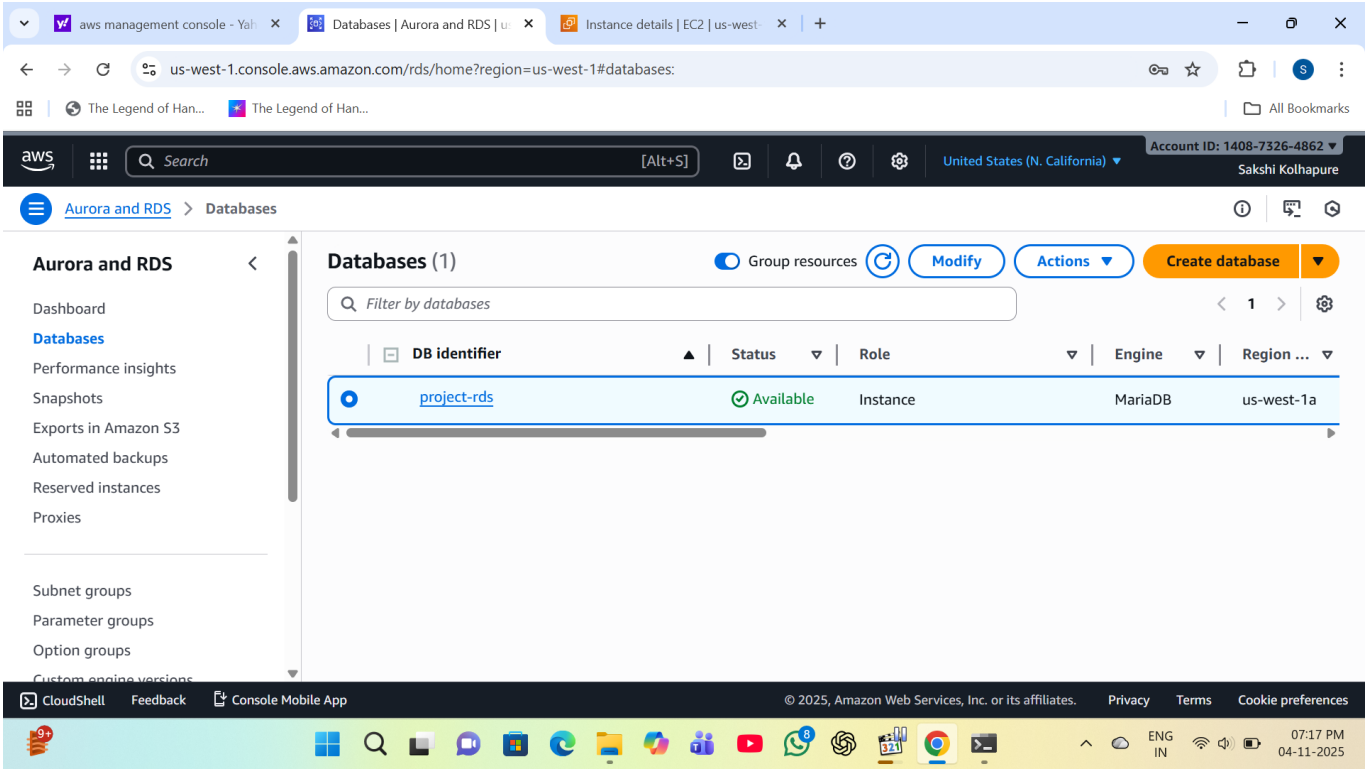
Steps to do the Project

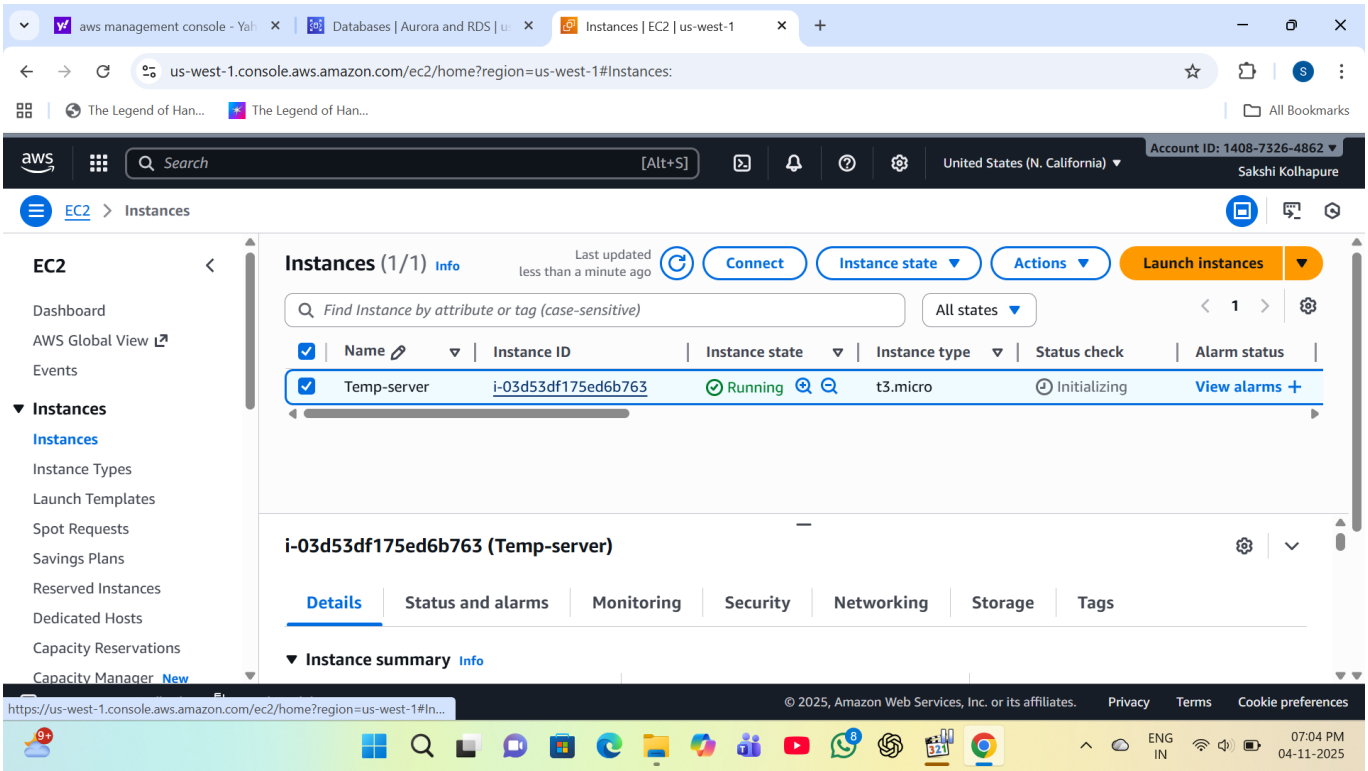
Step1:Create Amazon RDS (Paas)

1. Go to AWS Console --> RDS --> Allow 3306 port number to security group --> Create dabase named as MYNTRA.

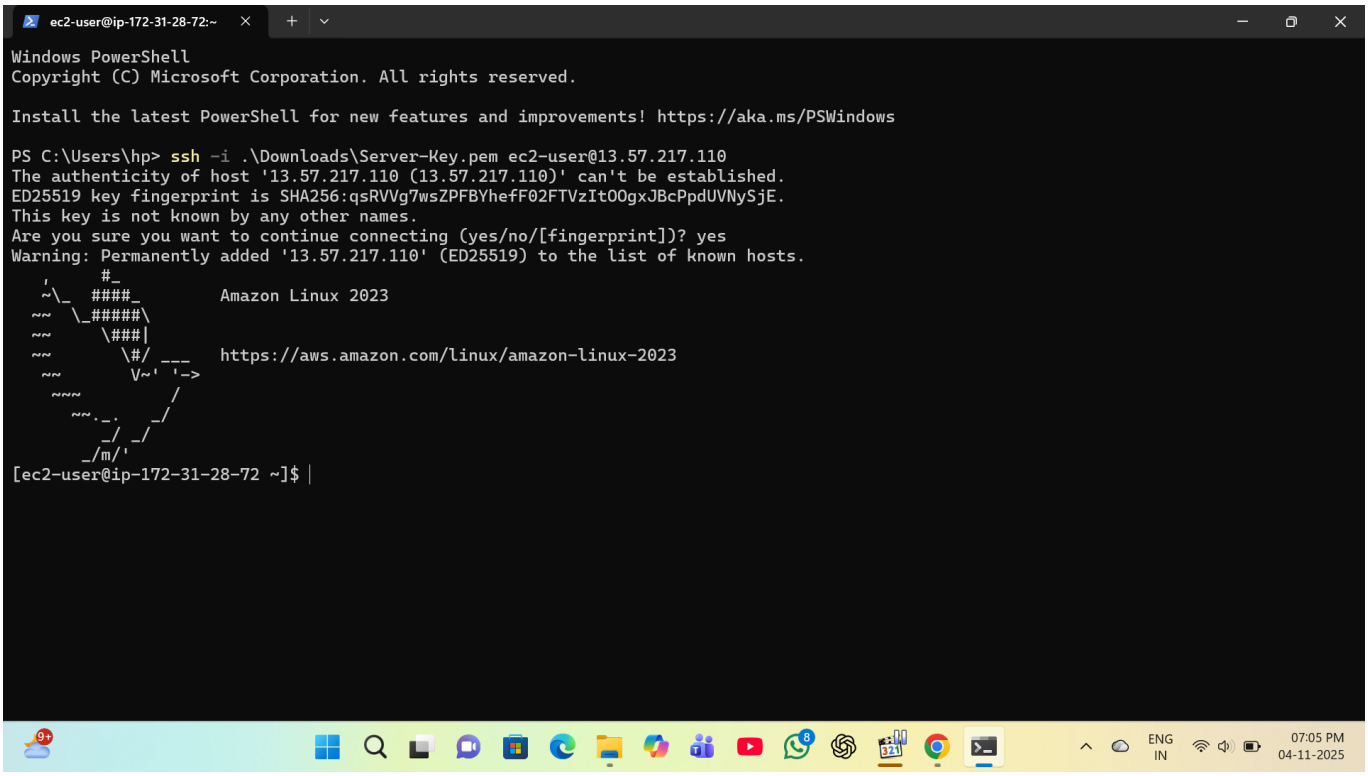


Step2: Create Database on Ec2 (Iaas)

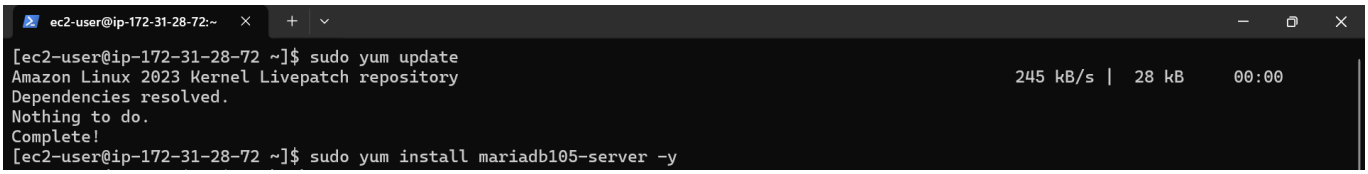
1. Launch an temperory EC2 instance-



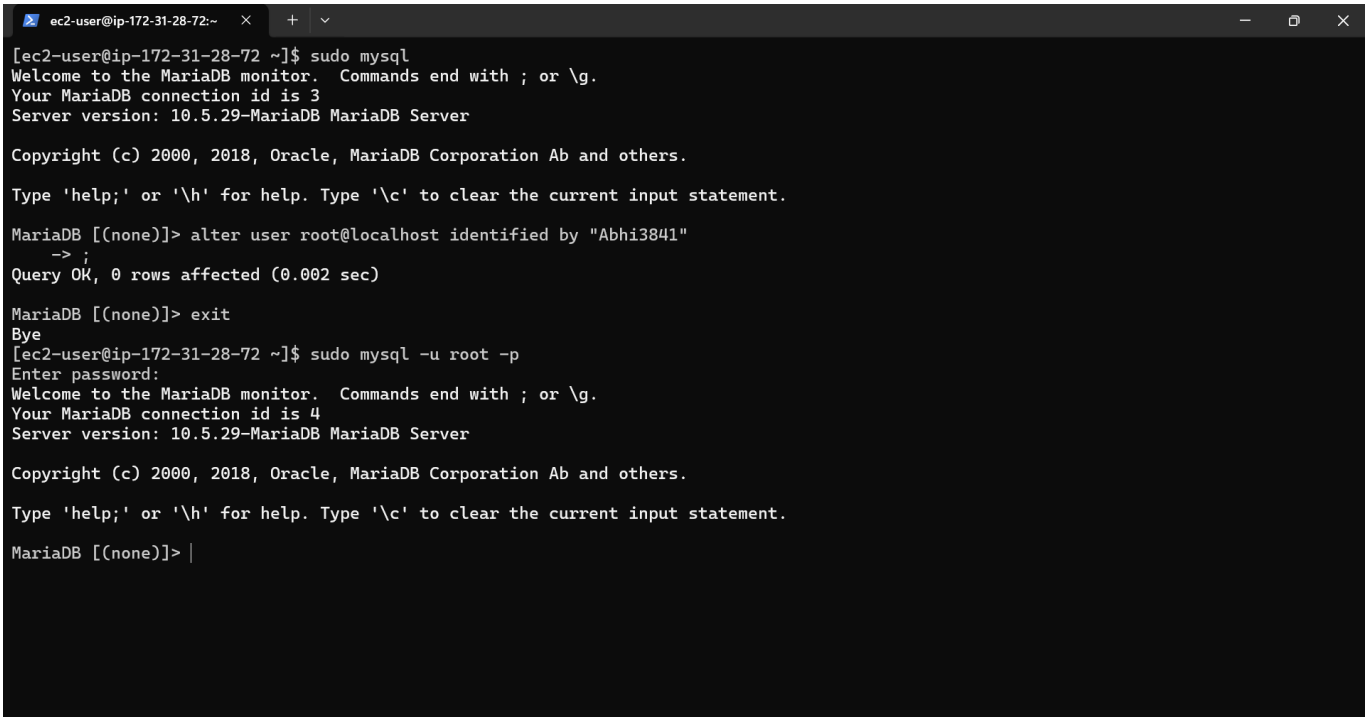
2. Take access of your EC2 instance-



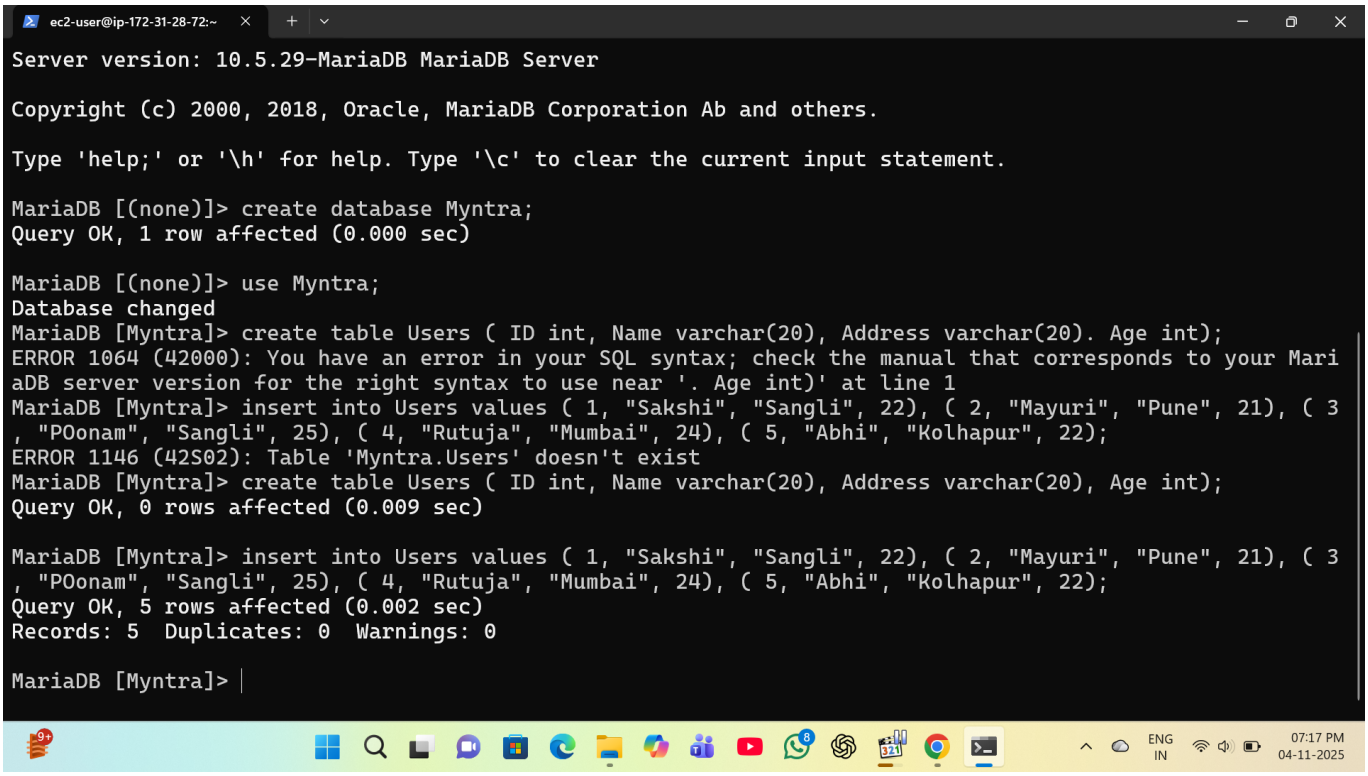
3. Install and start mariadb105-server-



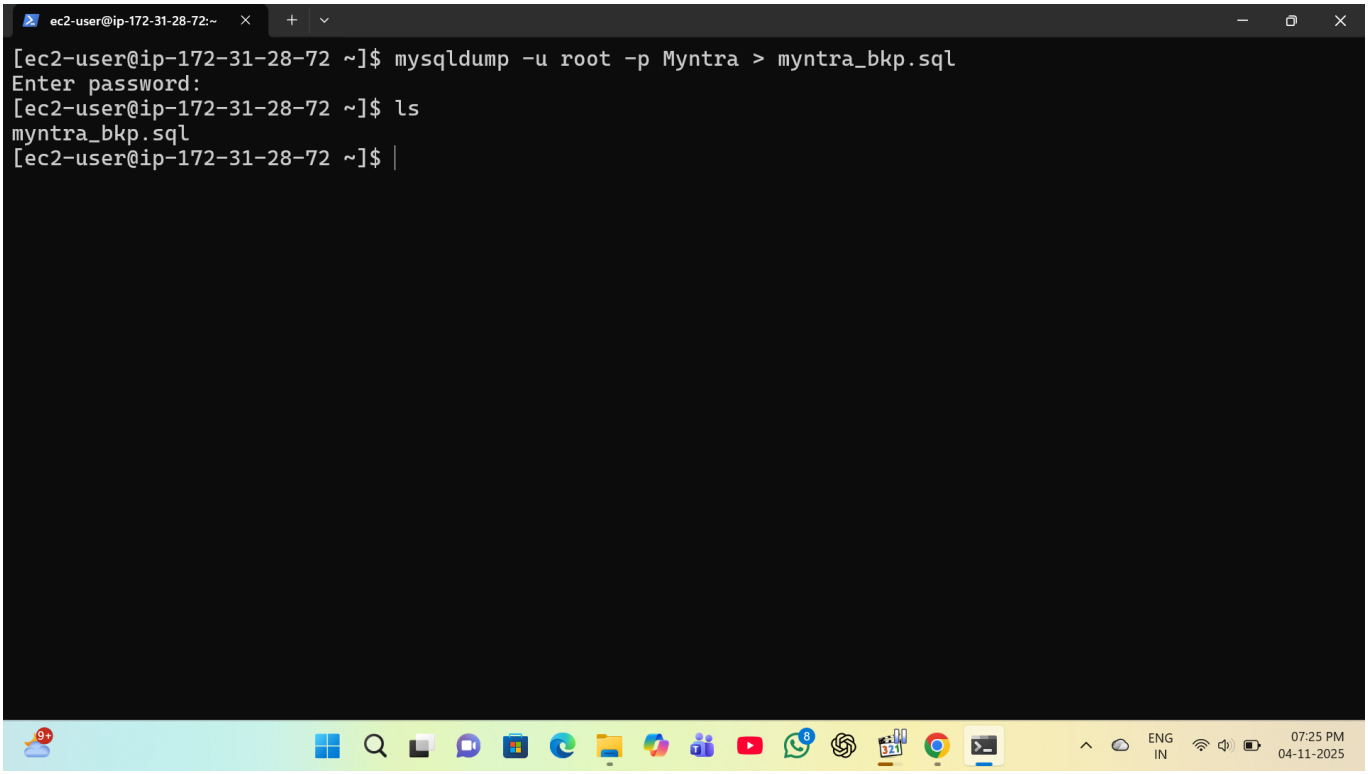
4. Go to mysql-



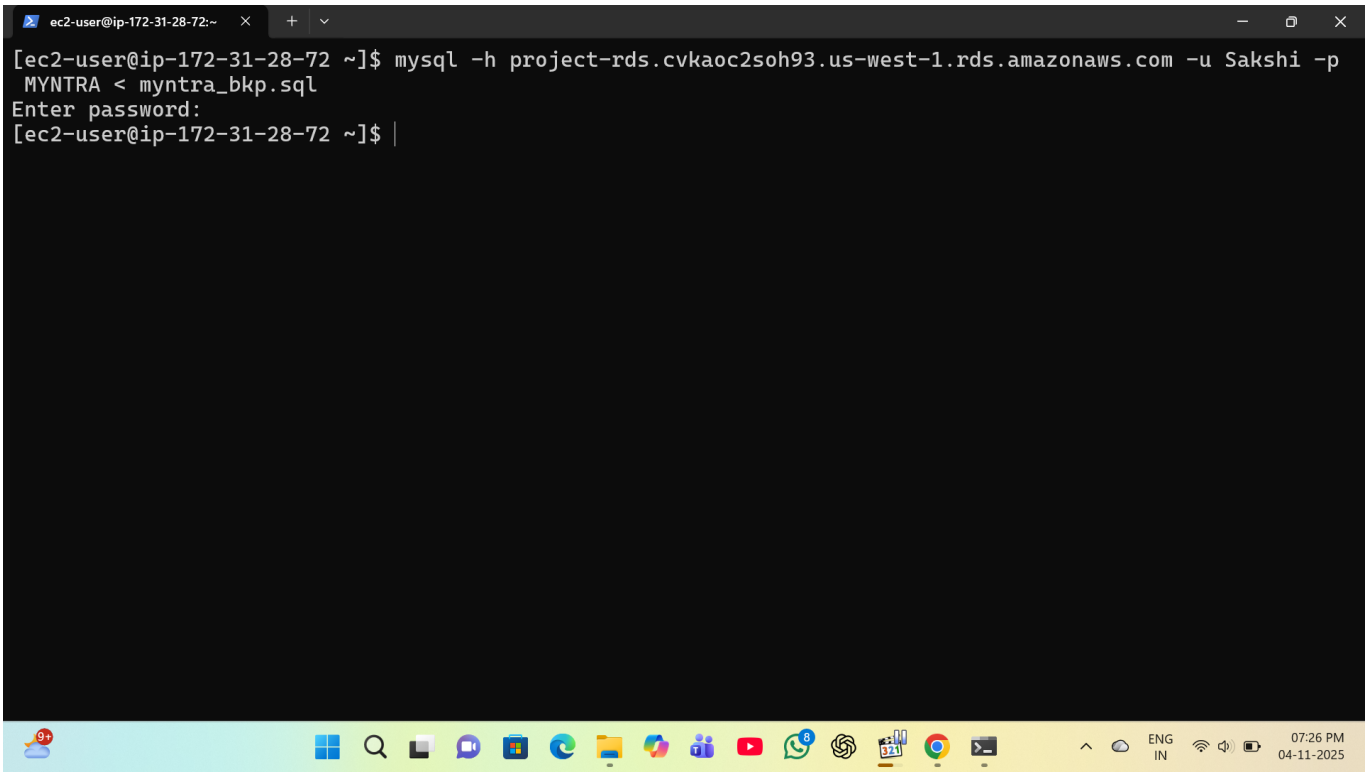
5. create dabase named as Myntra and create table and insert values into table-



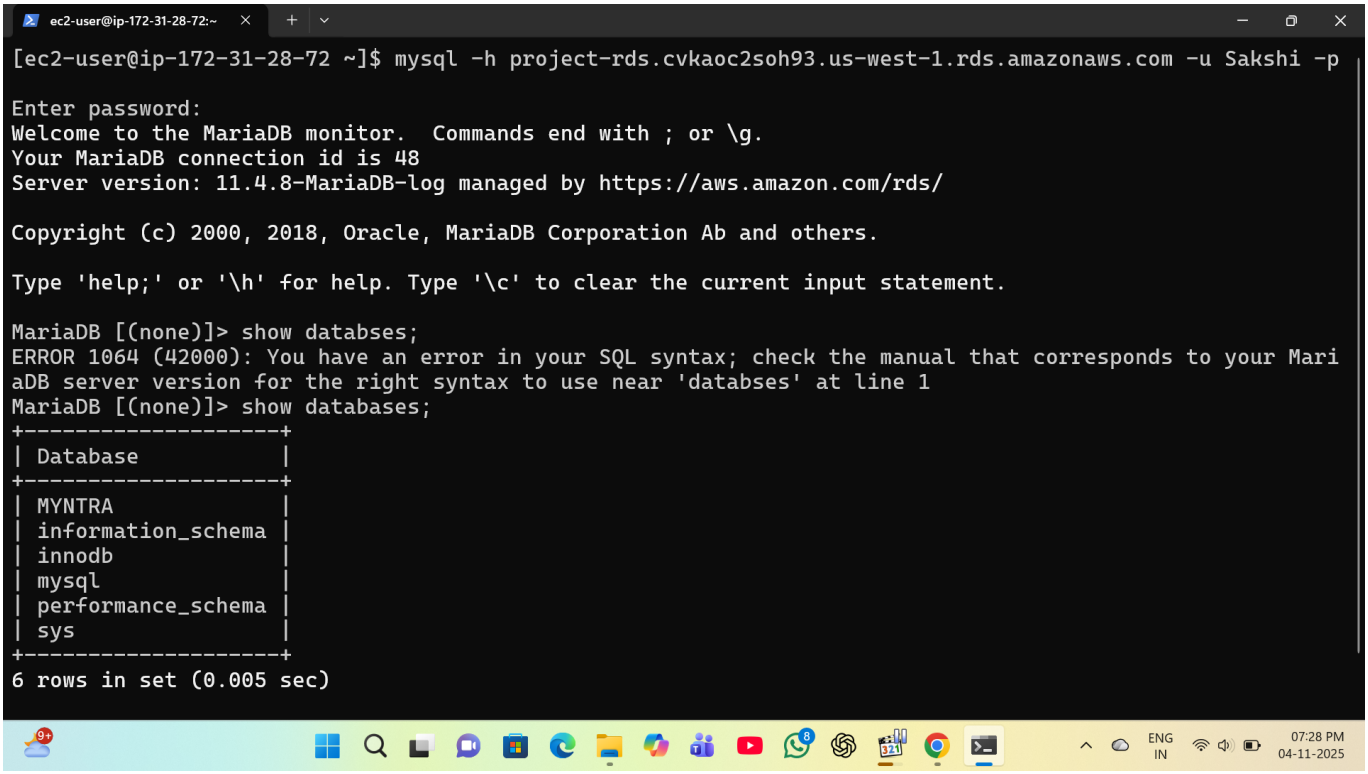
Step 3: Extract data from EC2 server and convert into file-



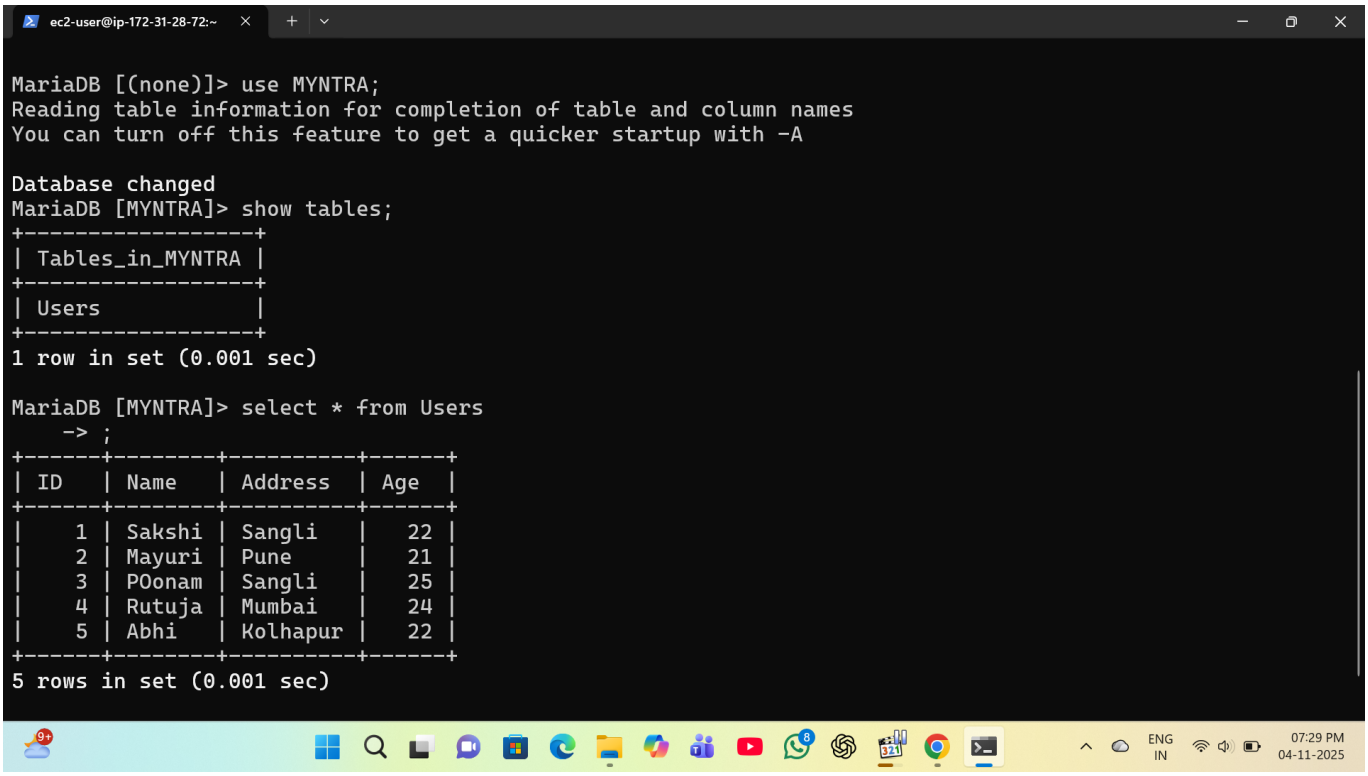
Step 4: Migrate data from Ec2 to RDS



Step 5: Go to your RDS instance



Step 6: Check data from MYNTRA datbase



Conclusion

By using Amazon RDS, we don’t need to handle database maintenance manually. It saves time, gives backups automatically, and is easier to scale when needed.