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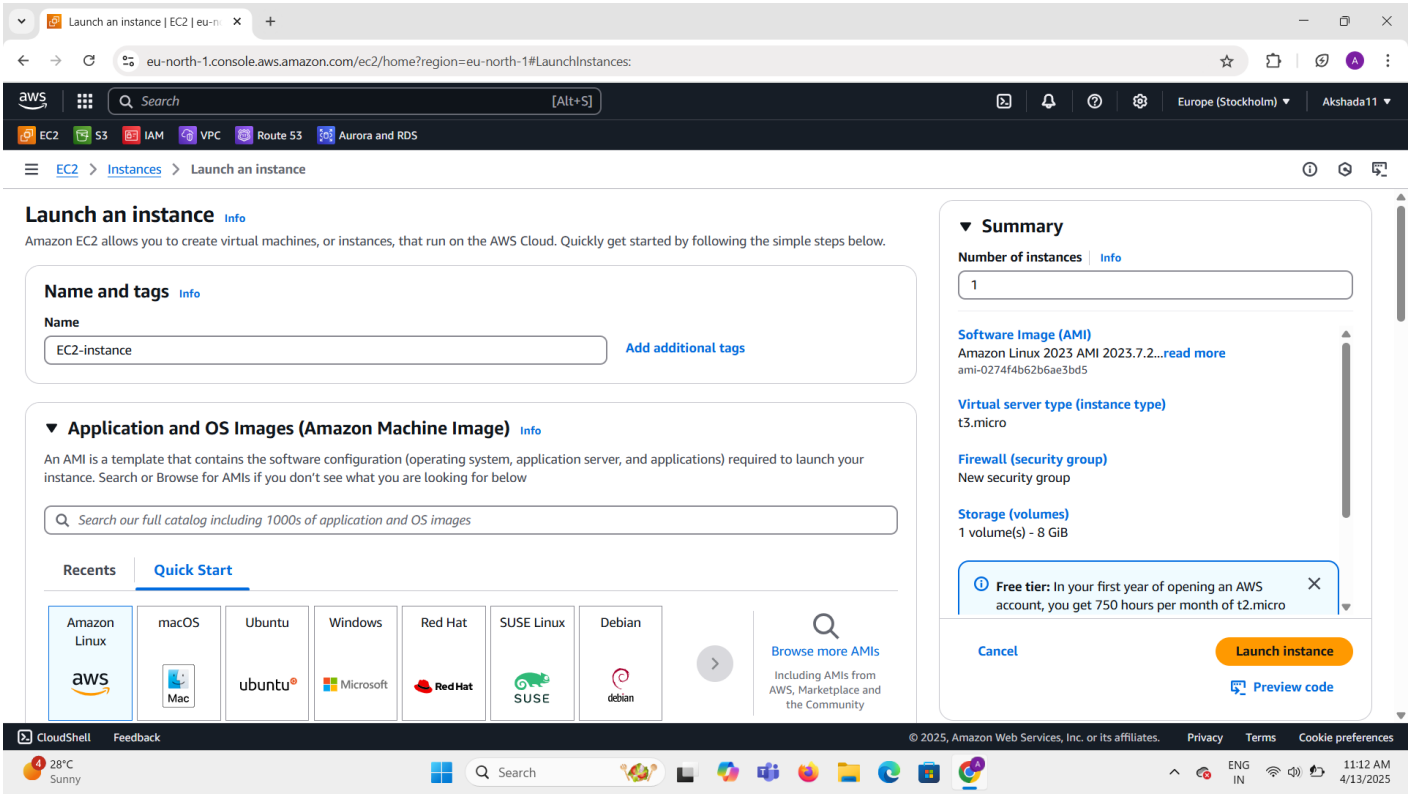
AWS Mini Project.

Migrate EC2 Instance & RDS MariaDB Integration

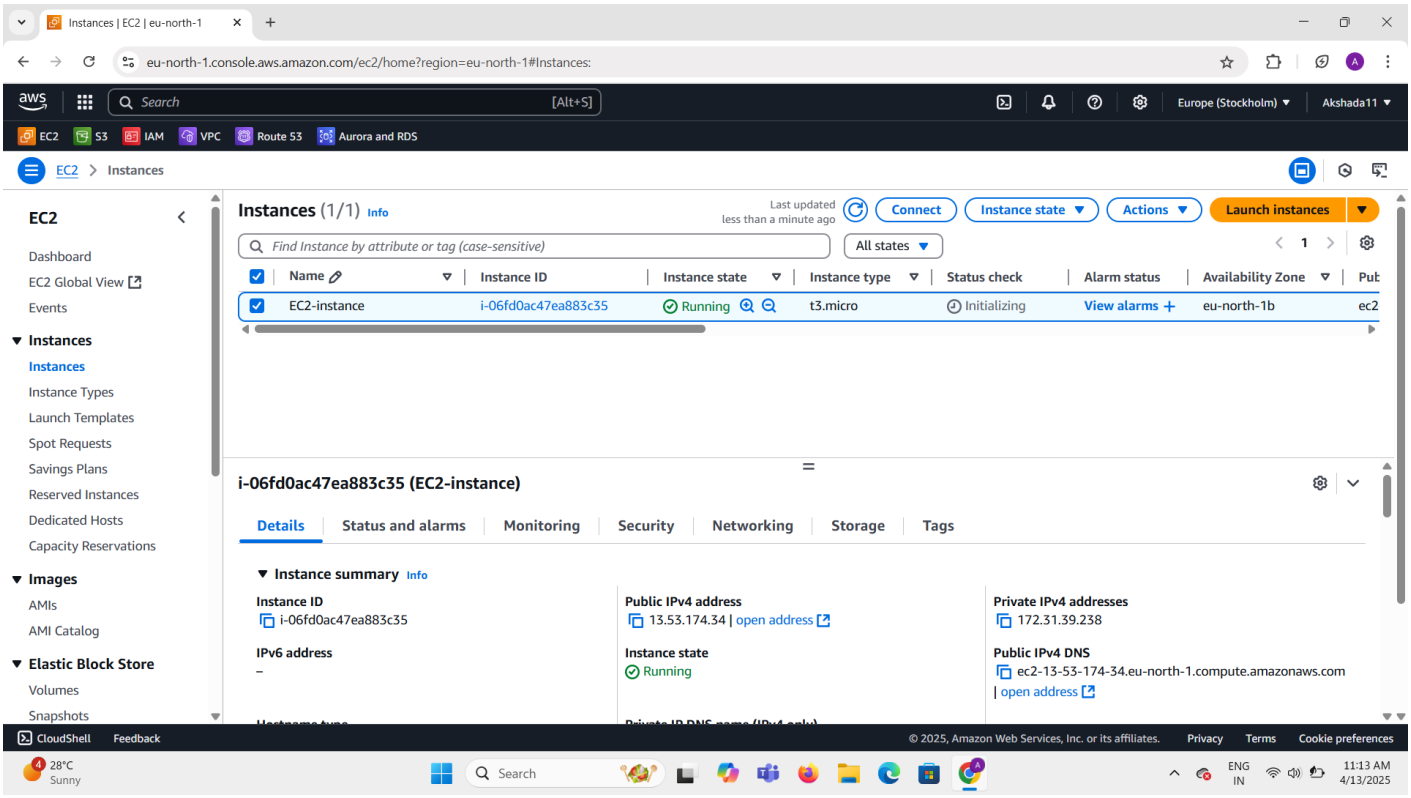
Key Points :

- Deployed an EC2 instance and configured a MariaDB database using AWS RDS.
- Performed database operations like creating databases and inserting values.
- Migrated data from the EC2-hosted database to the RDS instance for seamless integration and scalability.

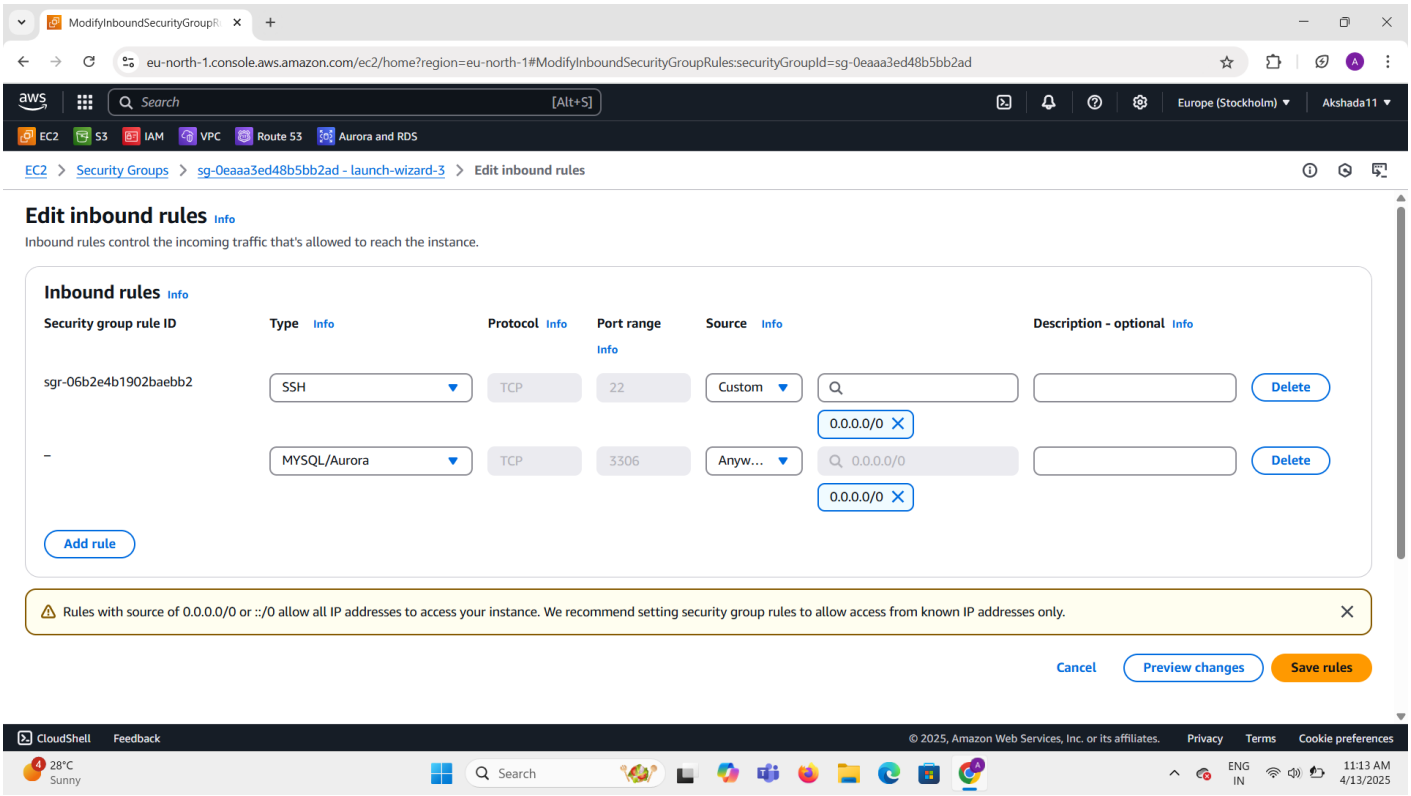
1. Create EC2-Instance.



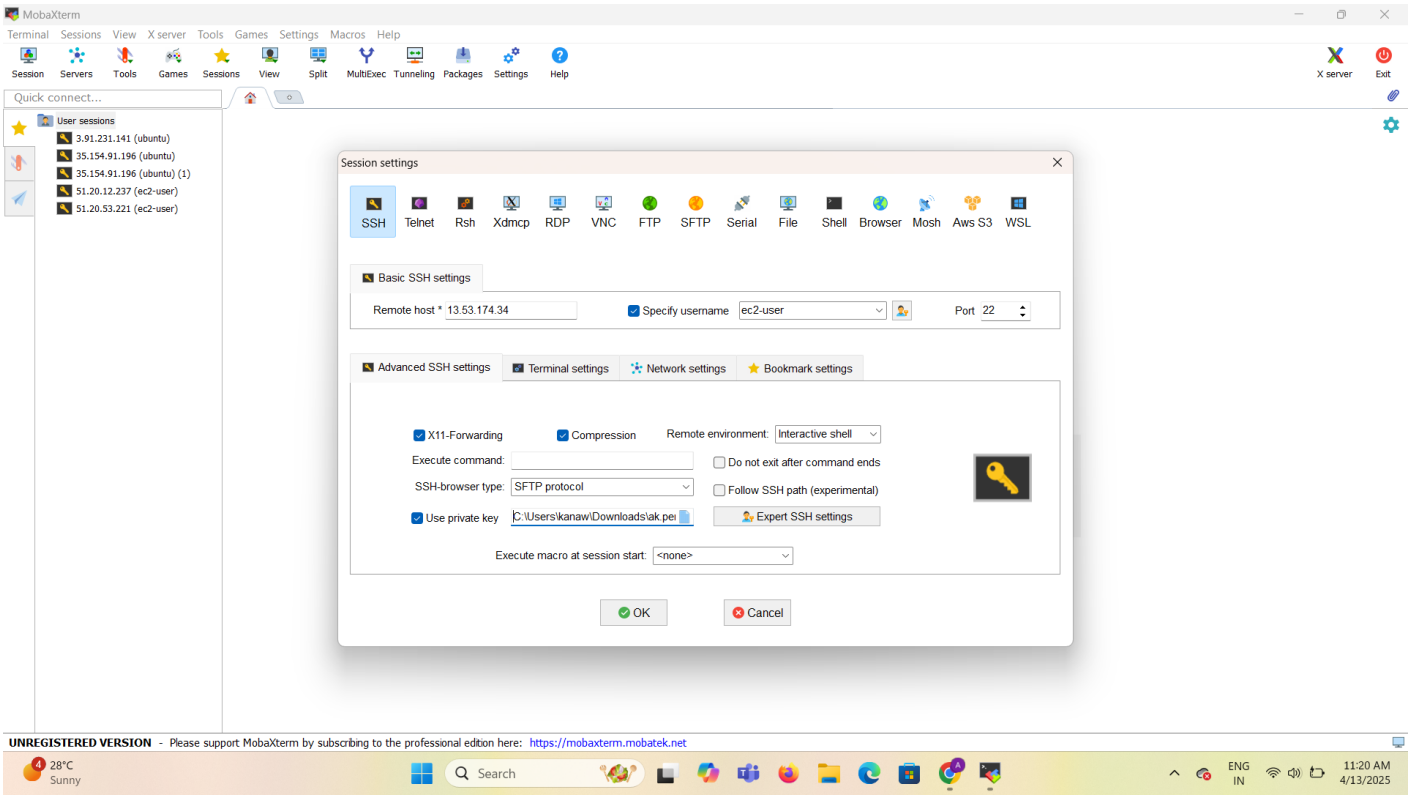
2. Successfully created Ec2- instance.



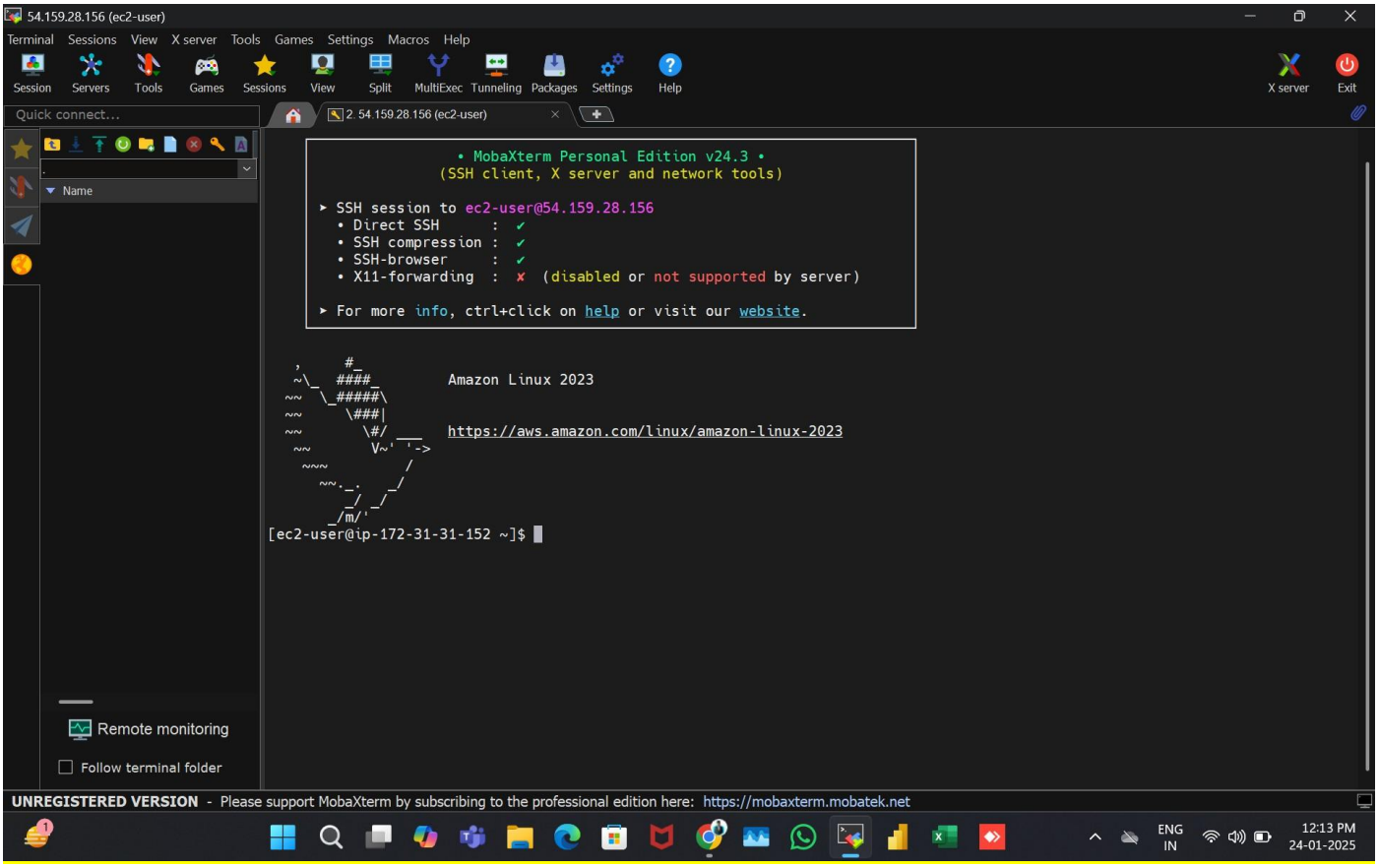
2. Add Security group in ec2-instance.



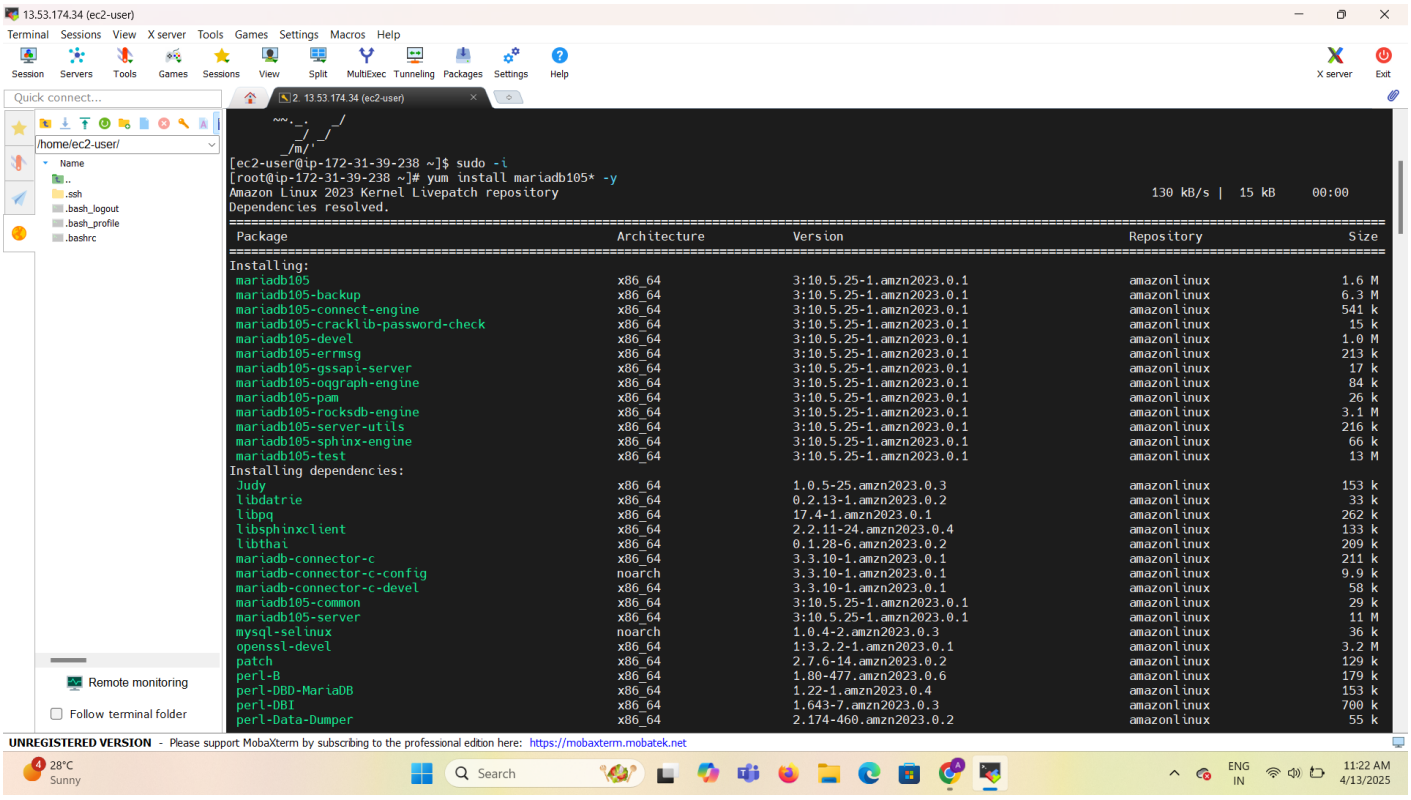
3. Get SSH of your ec2-instance .



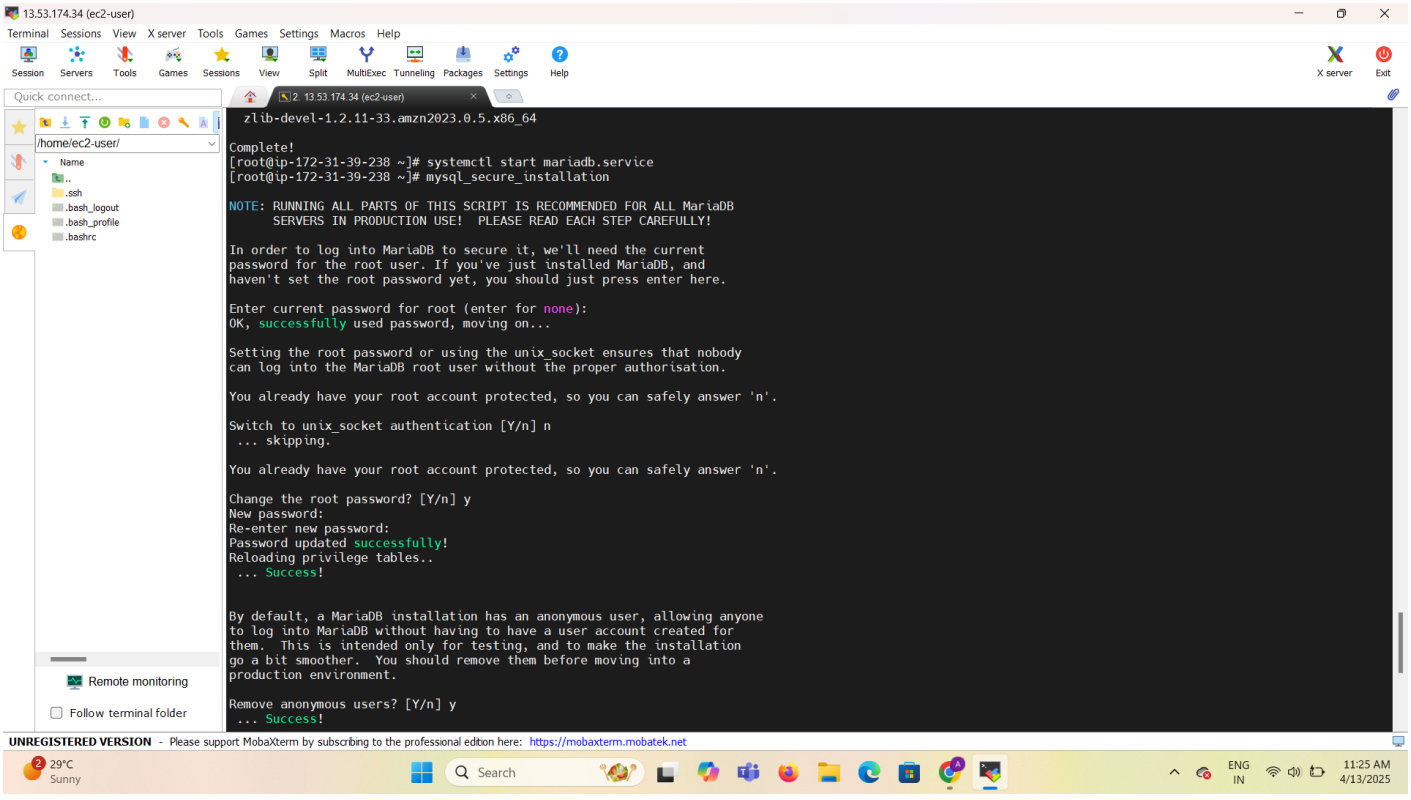
4. Successfully access the ec2-instance using SSH.



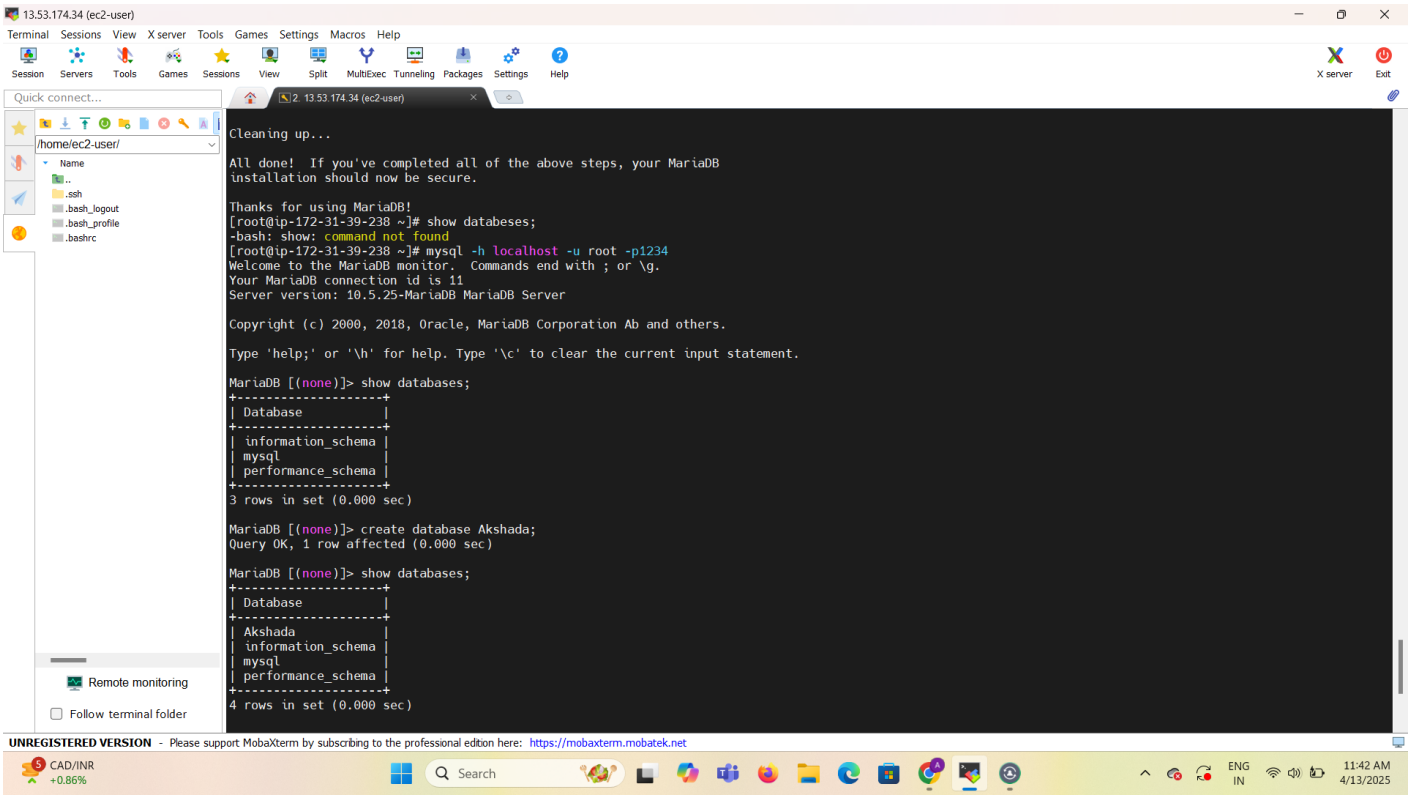
5. Switch to root user and install mariadb on ec2-instance. Cmd for switch user :- ‘ sudo -I ’



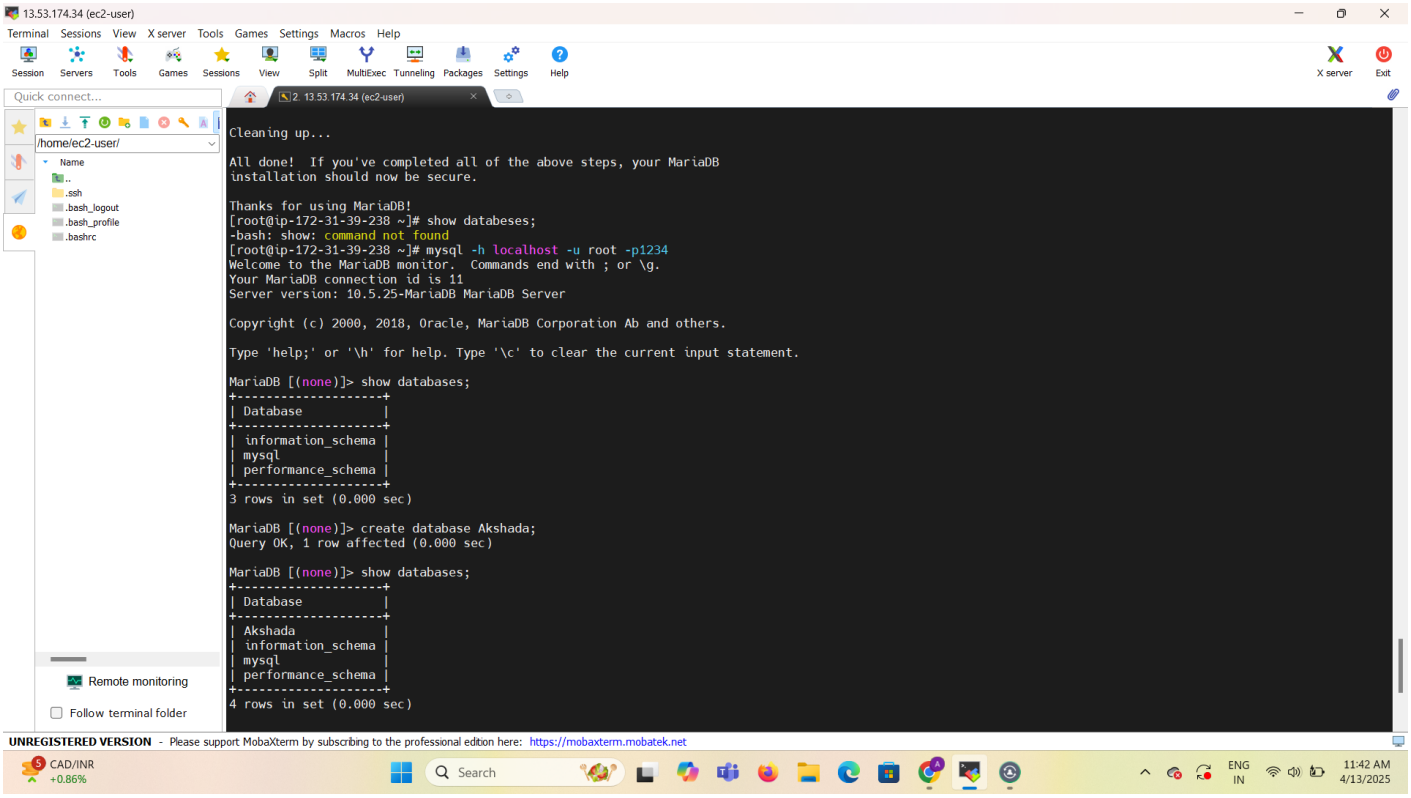
6. Start mariadb service and assign password to database.



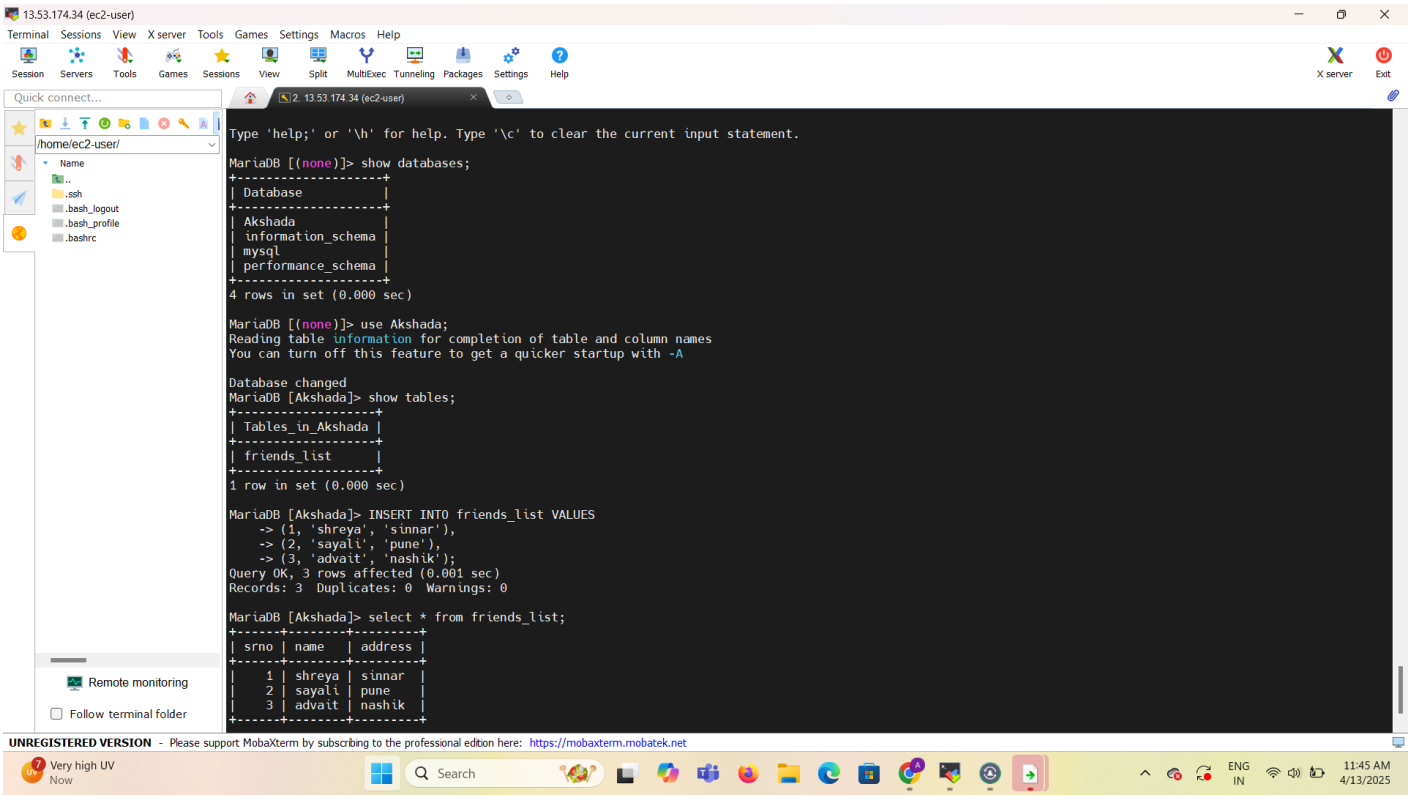
7. Get Connect the database created on ec2-instance .



8. Check existing databases and Create New Database .

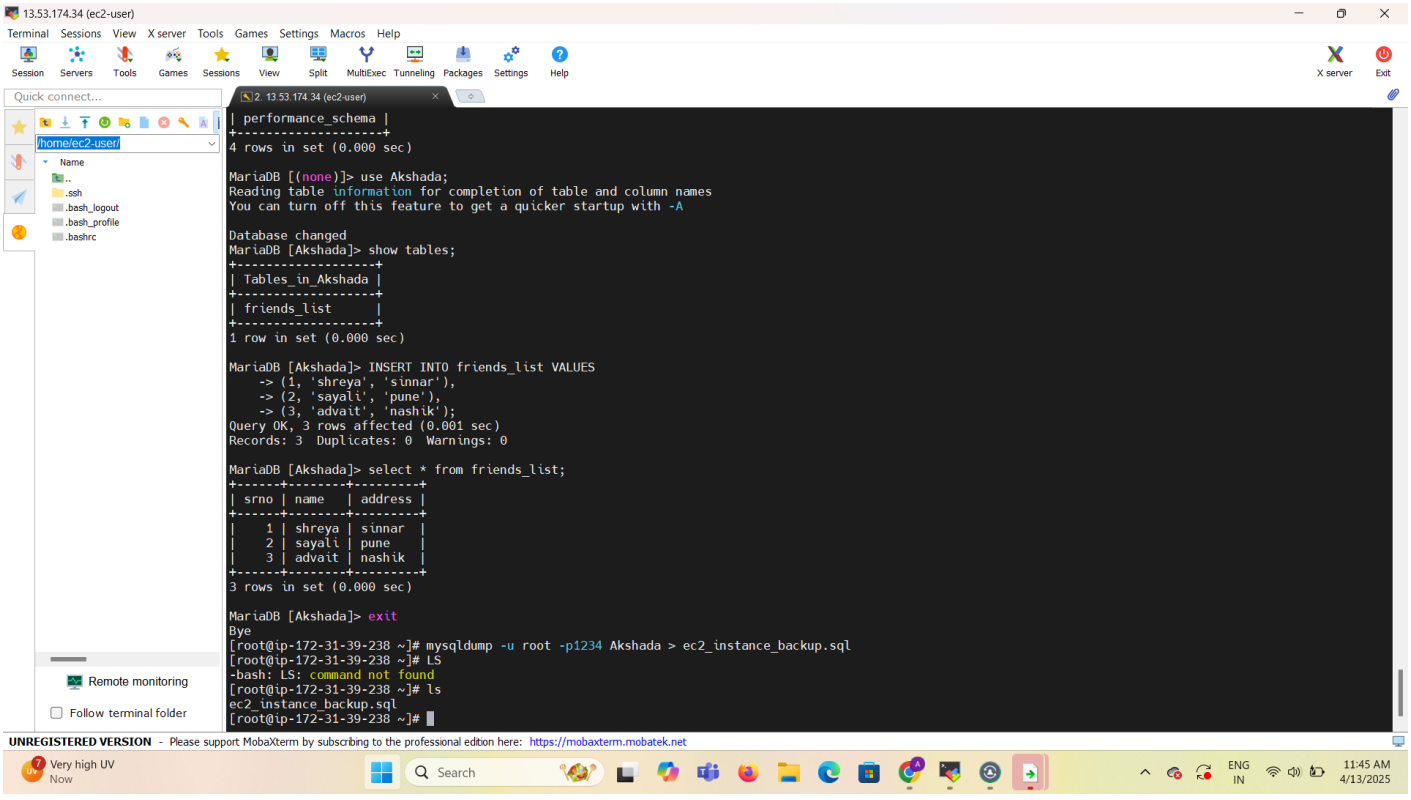


9. Inside that database create table and insert the values and show the data.

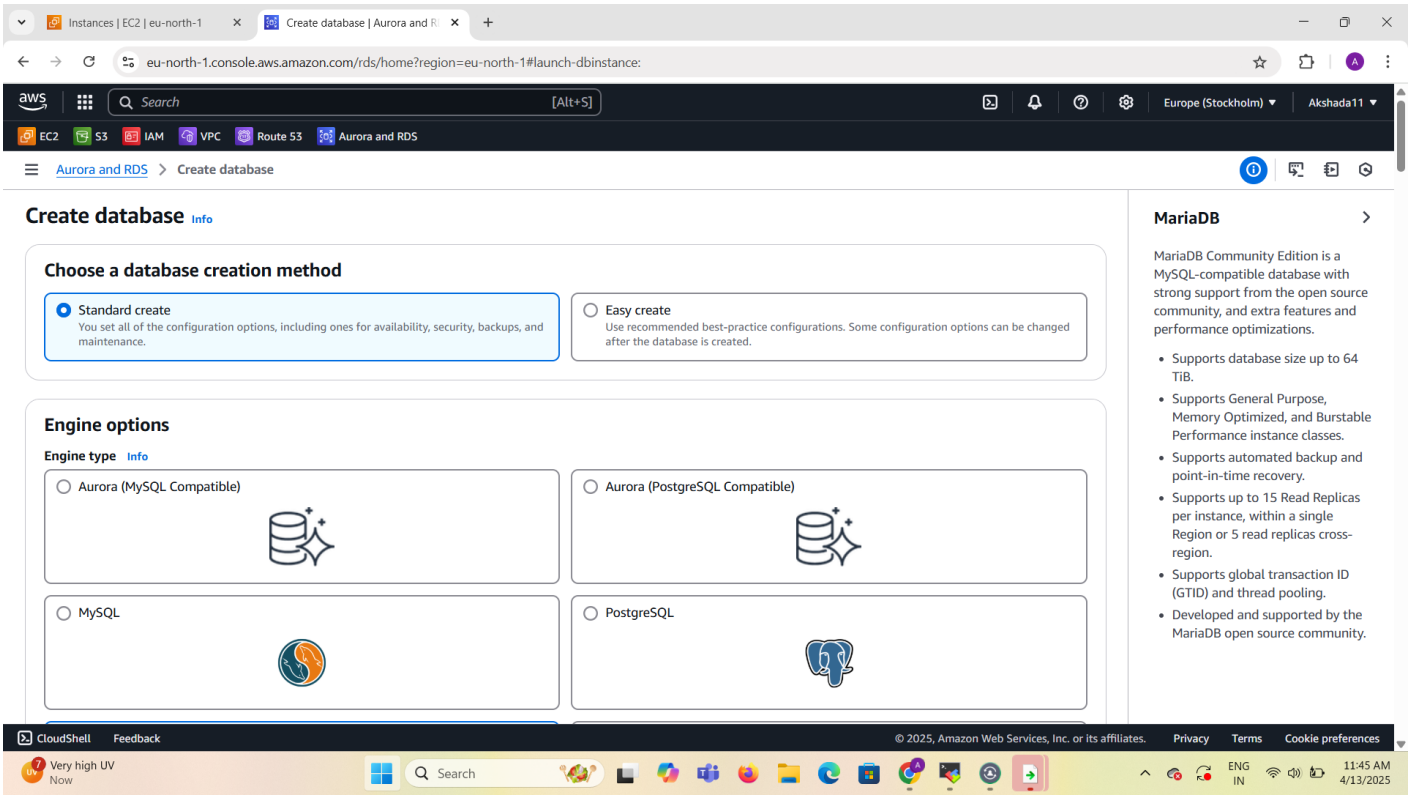


10. exit the database and create a database file for backup using following cmd .

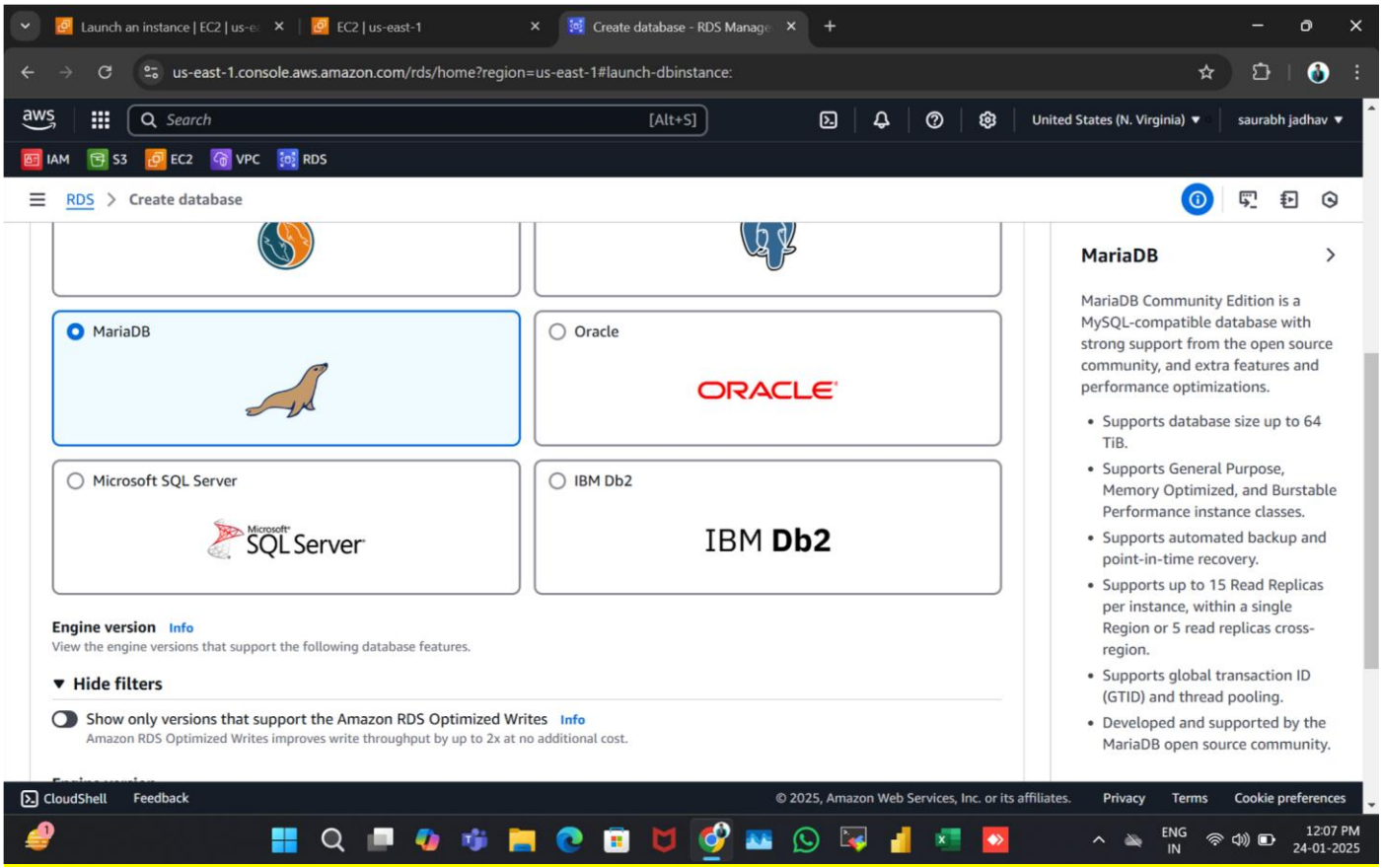
Mysql -u (username) -p (password) (database_name) > new file name.sql



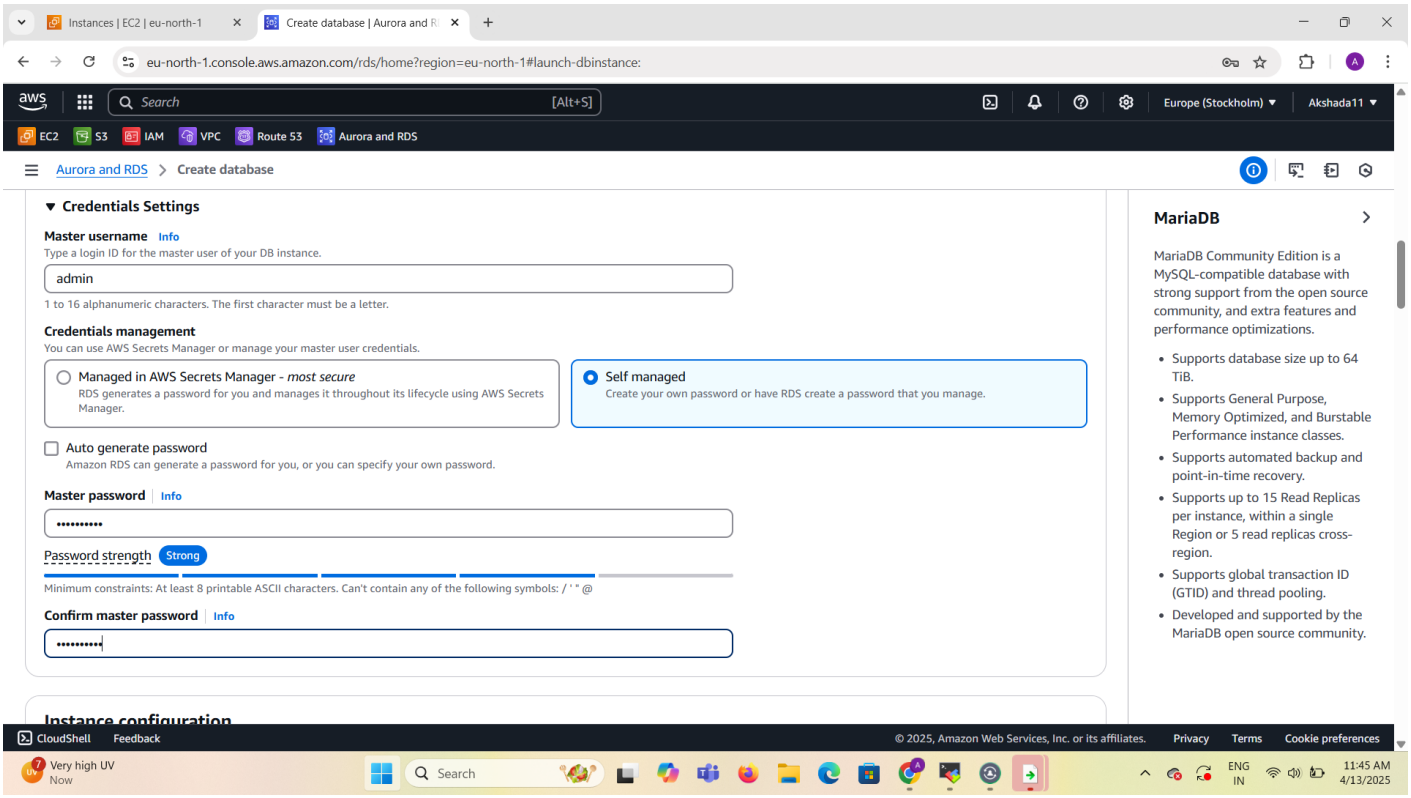
11. Create a database using RDS service .



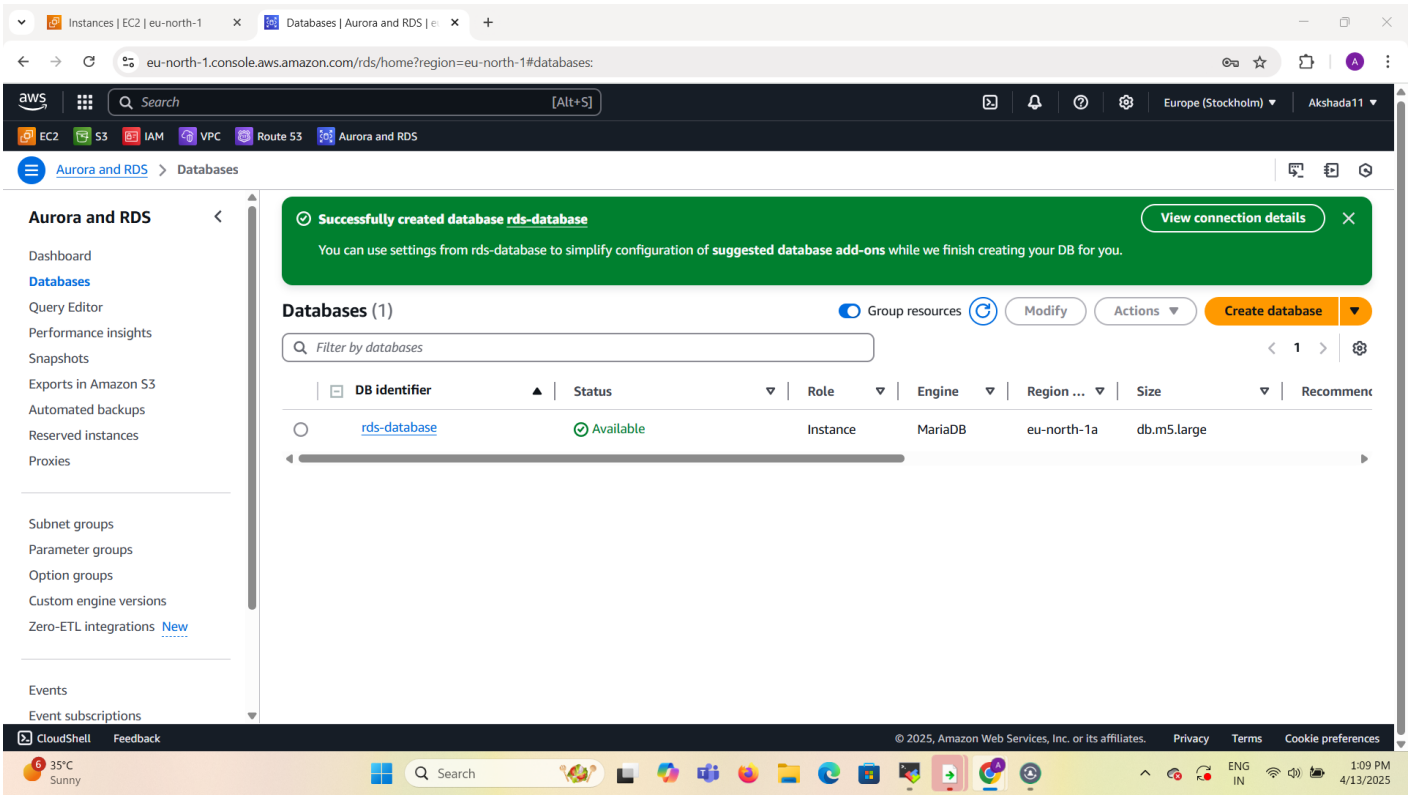
12. Select Mariadb Database.



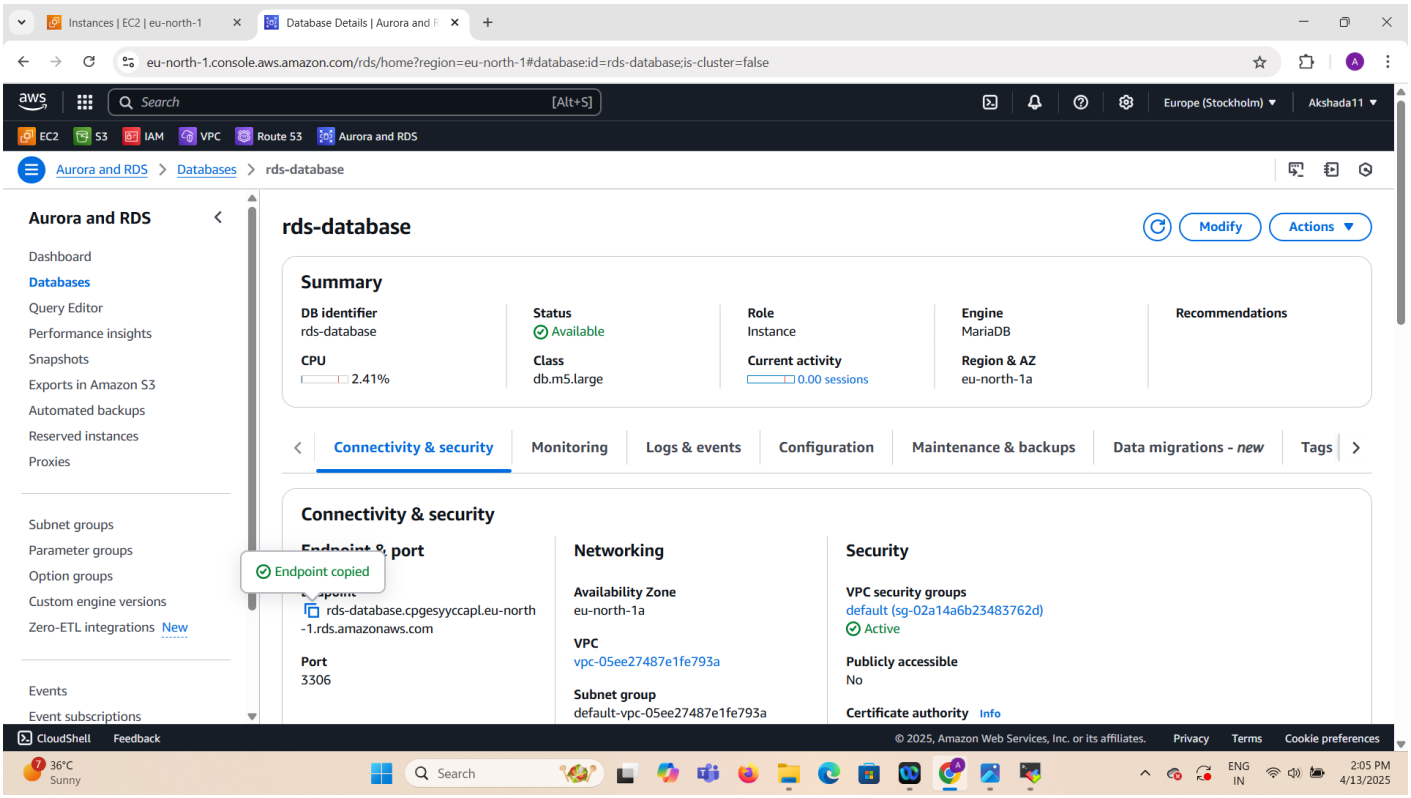
13. Assign database name , username , password .



14. Successfully created the database.

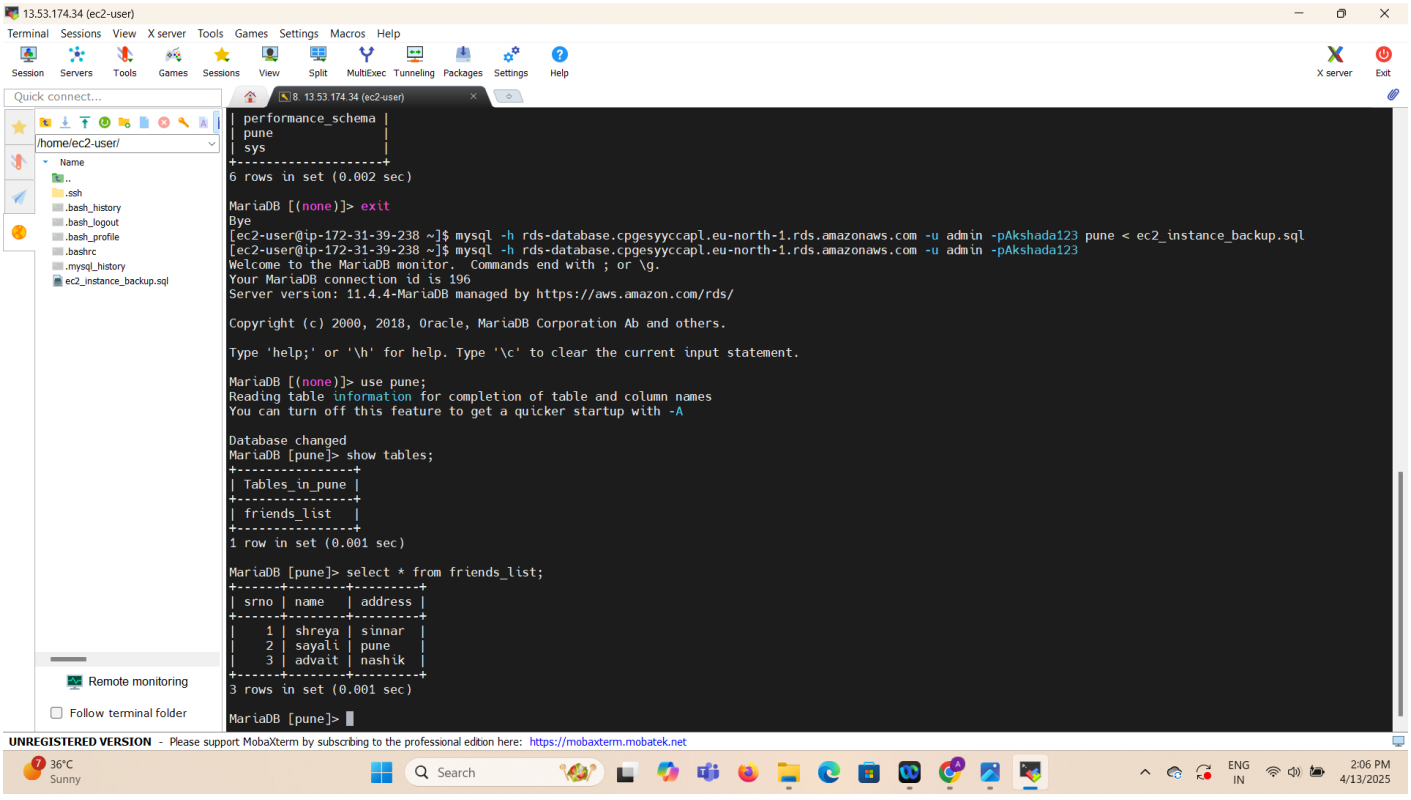


15. Copy the endpoint of database .



16. Connect to database in RDS service and Enter following cmd and paste endpoint.

mysql -h (endpoint) -u (username) -p (password) (database name where u paste it) < (backup file name) .



17. Check the Database. Successfully take backup file from Ec2-instance to RDS service database .