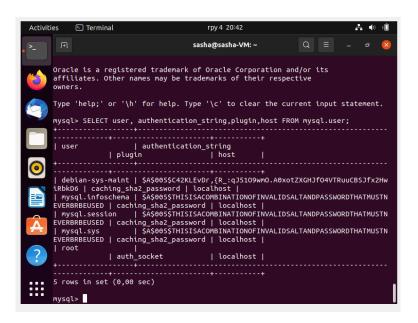
## Part 1

1. Install MySQL on VM

sudo mysql

sudo apt update sudo apt install mysql-server sudo mysql\_secure\_installation

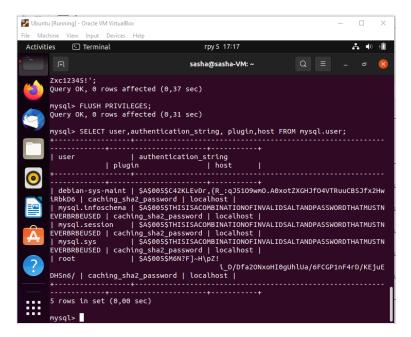
SELECT user, authentication\_string, plugin, host FROM mysql.user;



ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql\_native\_password BY 'Zxc12345!';

## FLUSH PRIVILEGES;

SELECT user, authentication\_string, plugin, host FROM mysql.user;



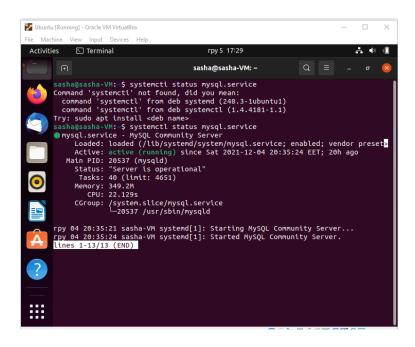
CREATE USER 'sasha'@'localhost' IDENTIFIED BY 'Asd12345!';

GRANT ALL PRIVILEGES ON \*.\* TO 'sasha'@'localhost' WITH GRANT OPTION;

FLUSH PRIVILEGES;

Exit;

systemctl status mysql.service

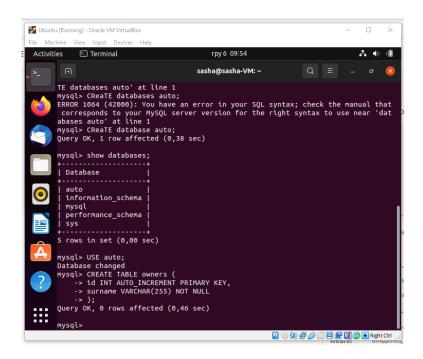


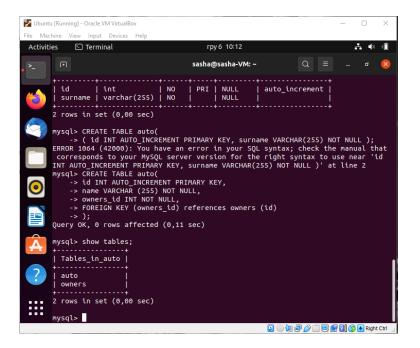
### 2. Create database, and tables

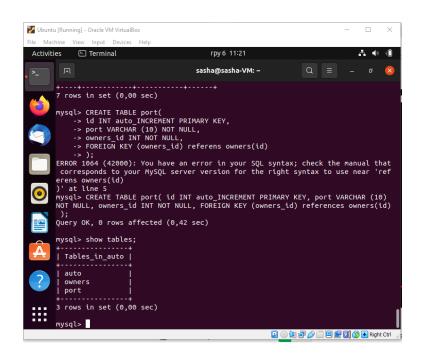
mysql -u root -p

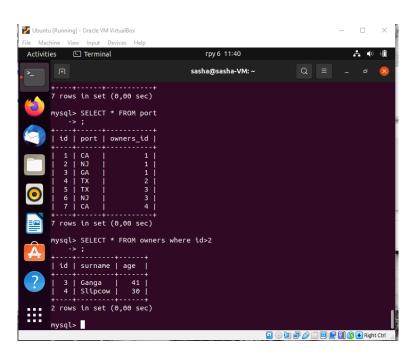
#### CREATE DATABASE auto;

USE auto;









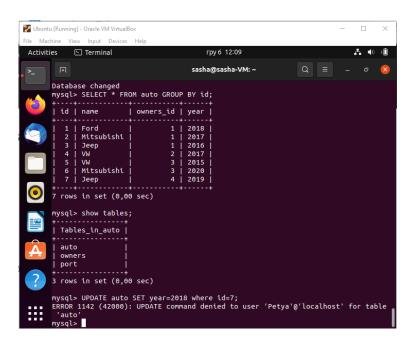


#### 3. Create new users

CREATE USER 'Vasya'@'localhost' IDENTIFIED BY 'Qwe12345!'; GRANT ALL PRIVILEGES ON \* . \* TO 'Vasya'@'localhost'; FLUSH PRIVILEGES;

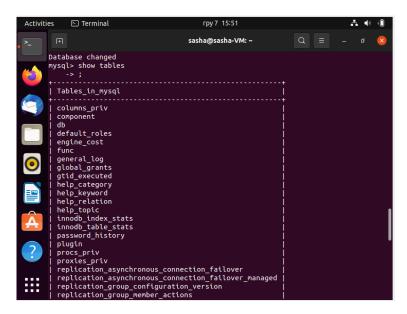


# CREATE USER 'Petya'@'localhost' IDENTIFIED BY 'Qwe123456!'; GRANT SELECT ON \* . \* TO 'Petya'@'localhost'; FLUSH PRIVILEGES;

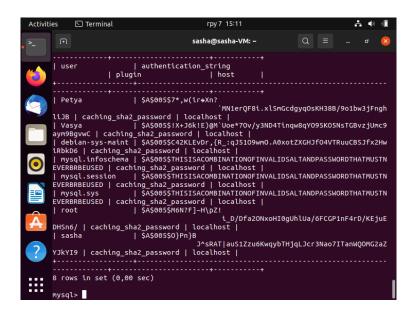


use mysql

show tables;

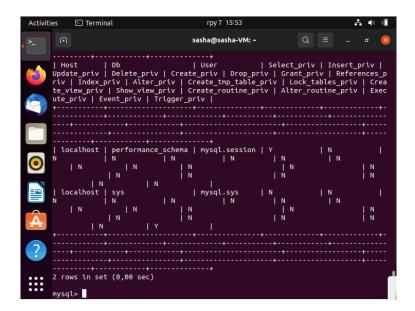


SELECT user, authentication\_string, plugin, host FROM mysql.user;

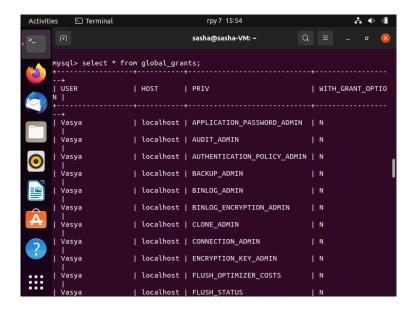


use mysql

show tables;



select \* from db;
select \* from global\_grants;



#### Part 2

1. Make backup my database

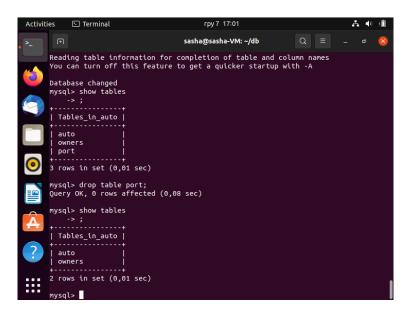
 $mysqldump -u \ root -p \ auto > \sim /db/auto\_backup.sql$   $mysql -u \ root -p$ 

use auto;

drop table port;

show tables;

exit



2. Restore my database

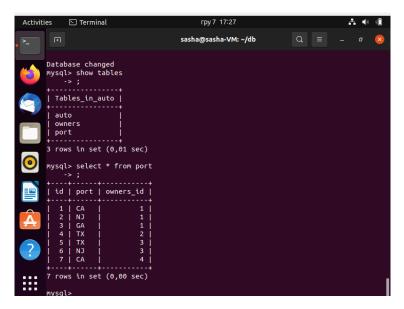
 $mysql -u \ root -p \ auto < \sim /db/auto\_backup.sql$ 

mysql –u root –p

use auto;

SELECT \* from port;

exit



3. Mysql –u sasha –p –h mysql-database.cgf6ymosiqgl.eu-central-1.rds.amazonaws.com

Show databases

Quit

Mysql —u sasha —p —h mysql-database.cgf6ymosiqgl.eu-central-1.rds.amazonaws <  $\sim$ /db/auto\_backup.sql

Show databases

Quit

Part 3

- 1. Amazon DynamoDB is a fully managed NoSQL database service that provides fast and predictable performance with seamless scalability.
- 2. Dynamo>Items>Create table
- 3. Add data to table