* **MYSQL usecase-**
* Configure yum repository-

sudo amazon-linux-extras install epel -y

* Configure mysql repository-

sudo yum install https://dev.mysql.com/get/mysql80-community-release-el7-5.noarch.rpm

* Install MYSQL server-

sudo yum install mysql-community-server

* Activate and start MYSQL service-

systemctl start mysqld

systemctl status mysqld

* FInd initial root password-

cat /var/log/mysql.log | grep "A temporary password"

* MYSQL post installation set-up-

sudo mysql\_secure\_installation

Enter the root password found in the above step, then set a new password for the MySQL root account. Next, follow the onscreen instructions and Press Y for all other operations to apply improved security.

Enter password for user root: **[Enter current root password]**

New password: **[Enter a new root password]**

Re-enter new password: **[Re-Enter the new root password]**

Estimated strength of the password: 100  
Change the password for root ? ((Press y|Y for Yes, any other key for No) : **n**

Remove anonymous users? (Press y|Y for Yes, any other key for No) : **y**

Disallow root login remotely? (Press y|Y for Yes, any other key for No) : **y**

Remove test database and access to it? (Press y|Y for Yes, any other key for No) : **y**

Reload privilege tables now? (Press y|Y for Yes, any other key for No) : **y**

All done!

* Connect to MYSQL server-

mysql -u root -p

* NOw create user on mysql server-

CREATE USER ‘hello’@’%’ IDENTIFIED BY ‘password’;

CREATE USER ‘hello’@’%’ IDENTIFIED BY ‘password’;

* Create Database-

CREATE DATABASE xyzok;

USE xyzok;

* Now grant permissions to new user-

GRANT ALL PRIVILEGES ON \* TO ‘hello’@’%’;

FLUSH PRIVILEGES;

* Now create table -

1. **CREATE** **TABLE** Employee
2. **CREATE** **TABLE** Employee
3. (
4. EmployeeID **int**,
5. FirstName **varchar**(255),
6. LastName **varchar**(255),
7. Email **varchar**(255),
8. AddressLine **varchar**(255),
9. City **varchar**(255)
10. );
11. (
12. EmployeeID **int**,
13. FirstName **varchar**(255),
14. LastName **varchar**(255),
15. Email **varchar**(255),
16. AddressLine **varchar**(255),
17. City **varchar**(255)
18. );

* To install MYSQL client in centos-
* Configure yum repository-

sudo amazon-linux-extras install epel -y

* Configure mysql repository-

sudo yum install https://dev.mysql.com/get/mysql80-community-release-el7-5.noarch.rpm

* Install MYSQL client-

sudo yum install mysql-community-client

* Now connect to server through client-

mysql-h <ip address> -P 3306 -u hello -p

* To create backup in MYSQL-

mysqldump -u <root> -p <xyzok> >mybackup.sql

scp -i o.pem <path to backup file> ec2-user@<ip address>:<destination path to file>

* Restore the database-

mysql -u <root> -p <xyzok> <mybackup.sql

* Install workbench in your VM-

sudo apt update && sudo apt upgrade

sudo apt install mysql-workbench

sudo apt install ./mysql-apt-config\_0.8.22-1\_all.deb

sudo apt update

sudo apt install mysql-workbench-community

mysql-workbench

* To connect to workbench-

1. Click on +
2. Then enter-

Connection name -

Hostname-

port number-

Username-

password-