MySQL server installtion:

sudo apt update

sudo apt install mysql-server

sudo systemctl start mysql

sudo systemctl enable mysql

mysql -u root -p

Now, Create database in MySQL server-

>CREATE DATABASE database\_name;

>USE database\_name;

>CREATE TABLE table\_name (

id INT,

name VARCHAR(25),

email\_id VARCHAR(25)

);

>SELECT \* FROM table\_name;

Now, create user and assign permissiom-

>CREATE USER 'username'@'%' IDENTIFIED BY 'password';

>GRANT ALL PRIVILEGES ON database\_name.\* TO 'username'@'%';

>FLUSH PRIVILEGES;

MySQL Client installtion:

sudo apt update

sudo apt install mysql-client

mysql --version

MySQL client access server database:

mysql -u user -p -h ip\_address

MySQL backup :

sudo apt update

sudo apt install net-tools

Now,taking backup in server -

mysqldump -u username -p database\_name > backup.sql

\* Data transfer from server to backup VM:

rsync -avz -e "ssh -i cen.pem" /home/ubuntu/backup.sql ubuntu@ip\_address:/home/ubuntu/backup

Now, restore backup :

mysql -u username -p database\_name < backup.sql

Phpmyadmin installtion:

sudo apt update

sudo apt install phpmyadmin

sudo apt install apache2

sudo systemctl start apache2

sudo systemctl enable apache2

sudo vim /etc/apache2/apache2.conf

sudo service apache2 restart

mysql -u user -h server\_ip -p

sudo vim /etc/phpmyadmin/config-db.php

Some changes in file:

dbuser='user';

$dbpass='password';

$basepath='';

$dbname='database';

$dbserver='server\_ip';

$dbport='3306';

$dbtype='mysql';

Now, access phpMyAdmin onweb browser:

**http://client\_ip/phpmyadmin**

Phpwork Bench installation:

sudo apt update

sudo apt install net-tools

sudo apt install mysql-workbench

mysql-workbench

\*open work bench in browser automatically now login and access