MySQL Server & Replication Installation:

#sudo apt update -y

#sudo apt install mysql-server -y

#sudo systemctl start mysql

#sudo systemctl enable mysql

Configure the Master Server:

- Editing the file

#sudo vim /etc/mysql/mysql.conf.d/mysqld.cnf

- Change here following

bind address=0.0.0.0

server-id=1

log\_bin=/var/log/mysql/mysql-bin.log

save and close then restart the service

#systemctl restart mysql

Now, login to MySql shell:

#mysql -u root -p

>CREATE USER ‘username’@’%’ IDENTIFIED BY ‘password’

>GRANT privileges \*.\* TO 'username'@'%';

>ALTER USER 'username'@'%' IDENTIFIED WITH mysql\_native\_password BY 'password';

>FLUSH PRIVILEGES;

>SHOW MASTER STATUS\G

>EXIT

Configure the slave server :

- configure the file

#sudo vim /etc/mysql/mysql.conf.d/mysqld.cnf

- Change here following

bind address=0.0.0.0

server-id=2

log\_bin=/var/log/mysql/mysql-bin.log

save and close then restart the service

#systemctl restart mysql

Now, login to MySql shell:

#mysql -u root -p

>STOP SLAVE;

>RESET SLAVE;

>CHANGE MASTER TO

>MASTER\_HOST = 'master\_server\_ip',

>MASTER\_PORT = 3306,

>MASTER\_USER = 'username',

>MASTER\_PASSWORD = 'password',

>MASTER\_LOG\_FILE = 'mysql-bin.000001', #copy from master status

>MASTER\_LOG\_POS = 0, #Copy from master status

>MASTER\_SSL = 0,#For no SSL implementation

Now, Start the slave and check status

>START SLAVE;

>SHOW SLAVE STATUS\G

Now, change database and replicate it.