

Implement MySQL Replication for Distributed Databases

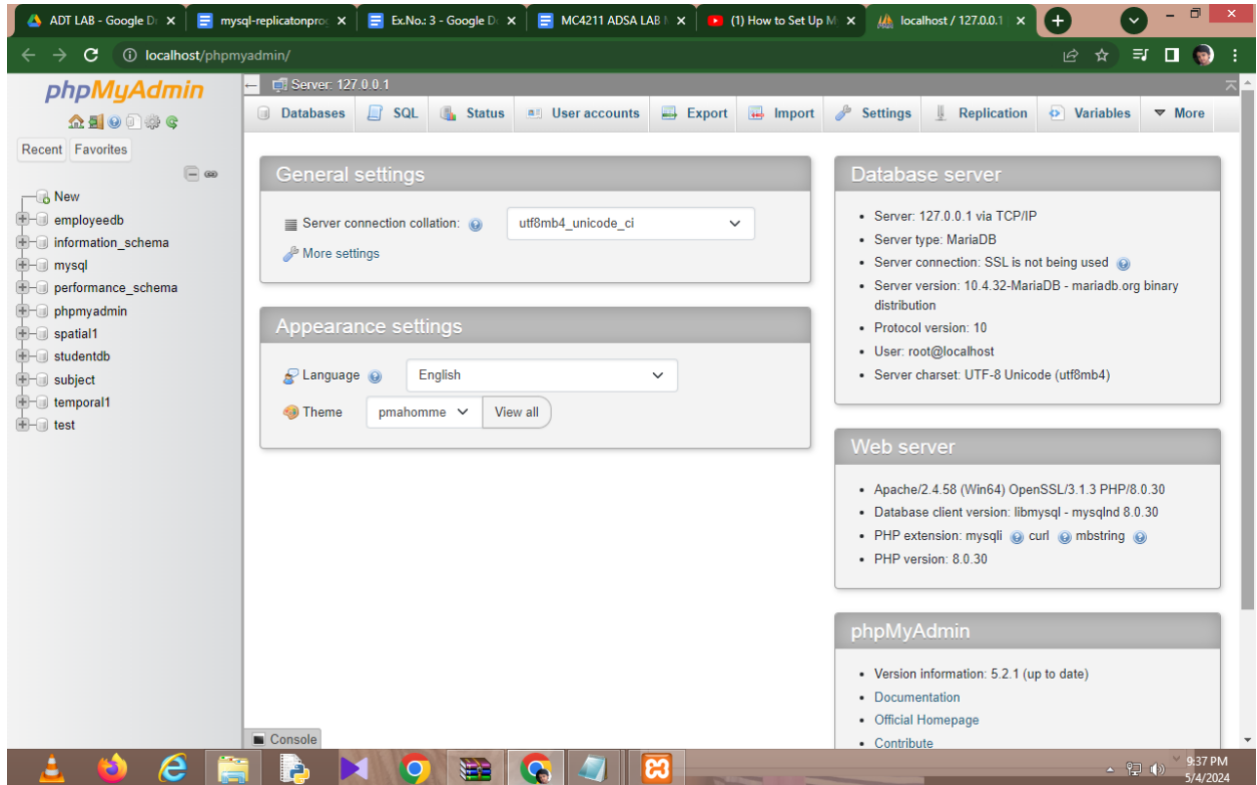
AIM:

To Write a program in Mysql Replication Distributed Databases.

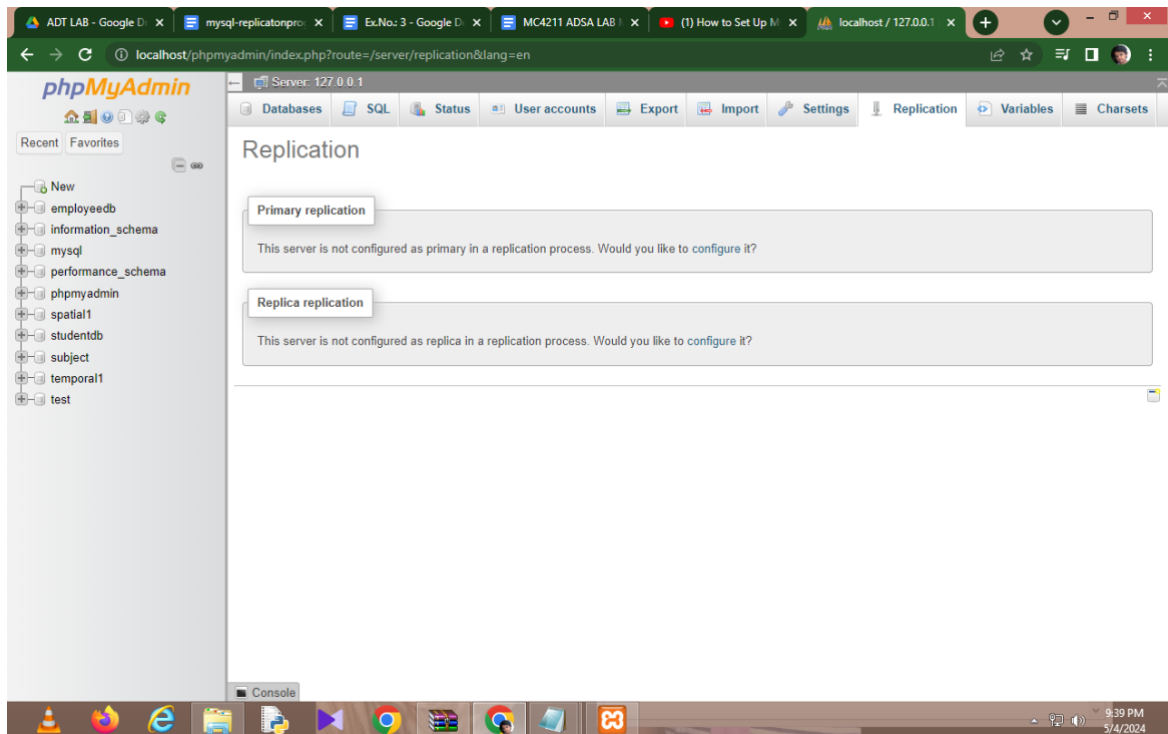
PROCEDURE:

Step 1: Start Apache and MySQL in XAMPP Server

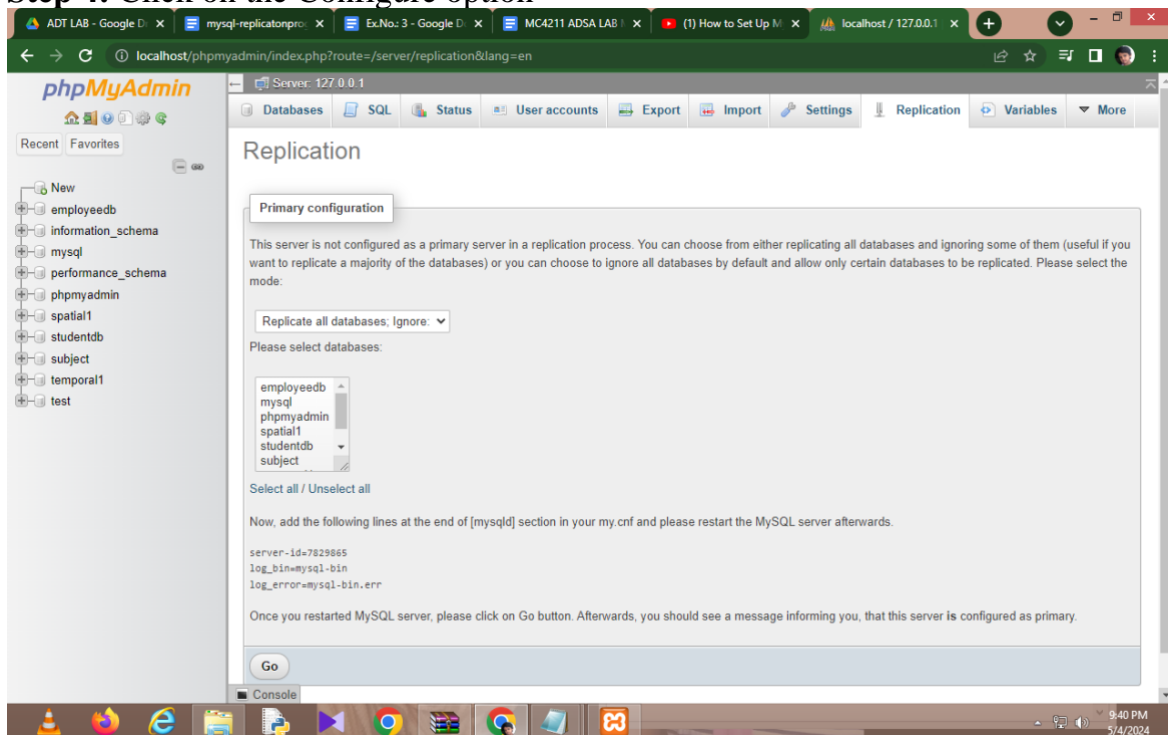
Step 2: Start Admin to open phpMyAdmin



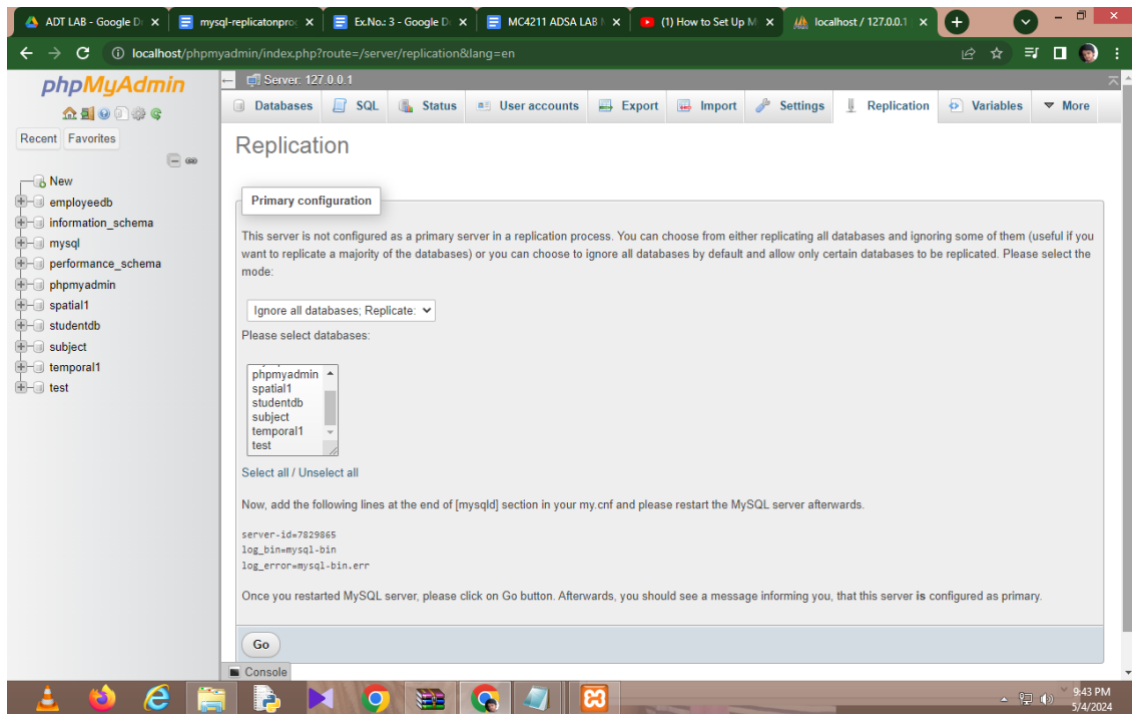
Step 3: Click on the Replication tab



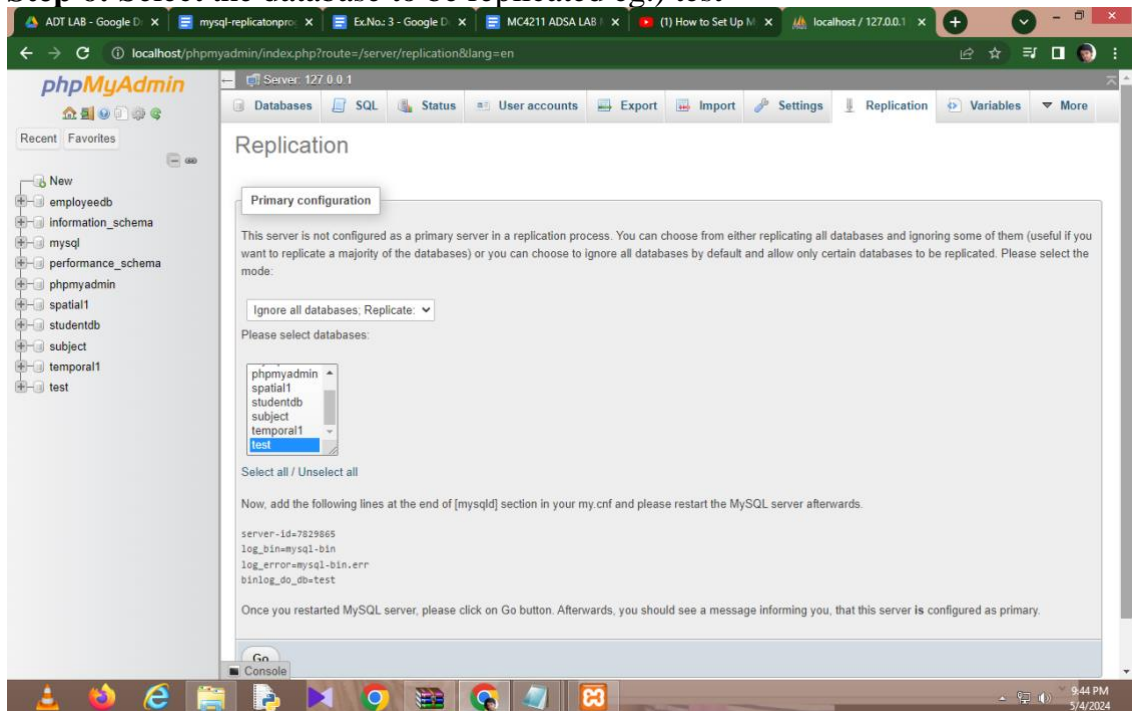
Step 4: Click on the Configure option



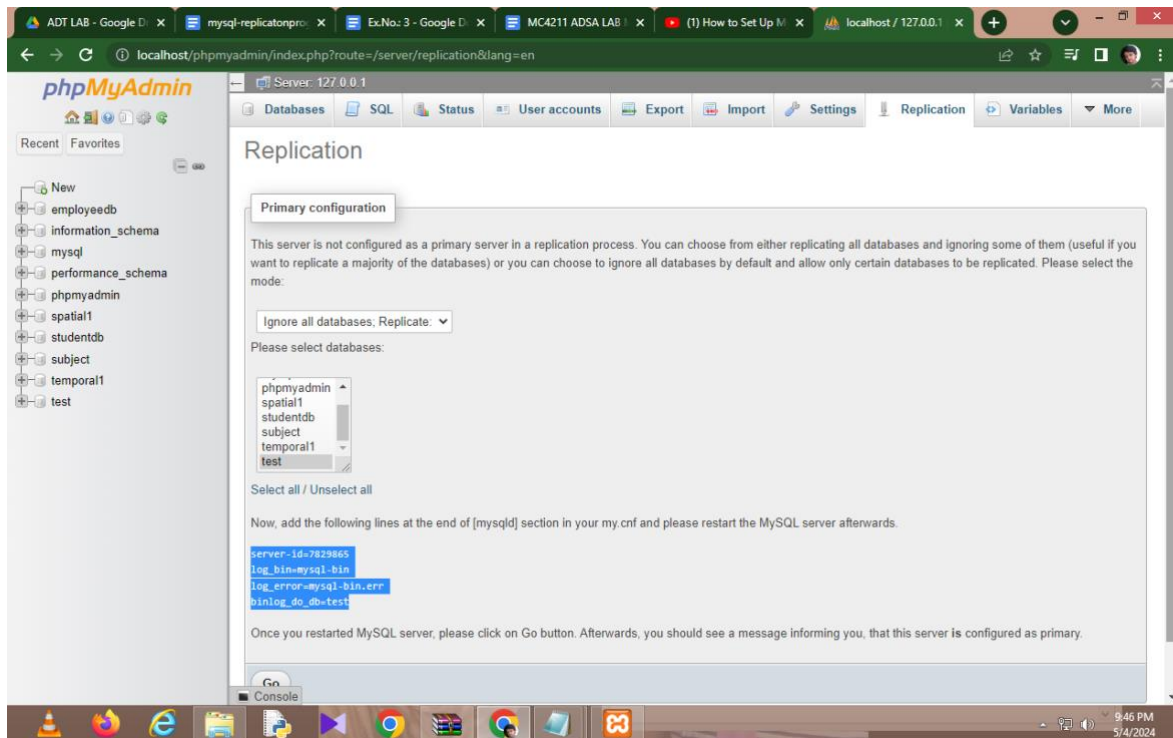
Step 5: Under the primary configuration / Master configuration choose either Replicate all Databases; Ignore or Ignore all Databases; Replicate



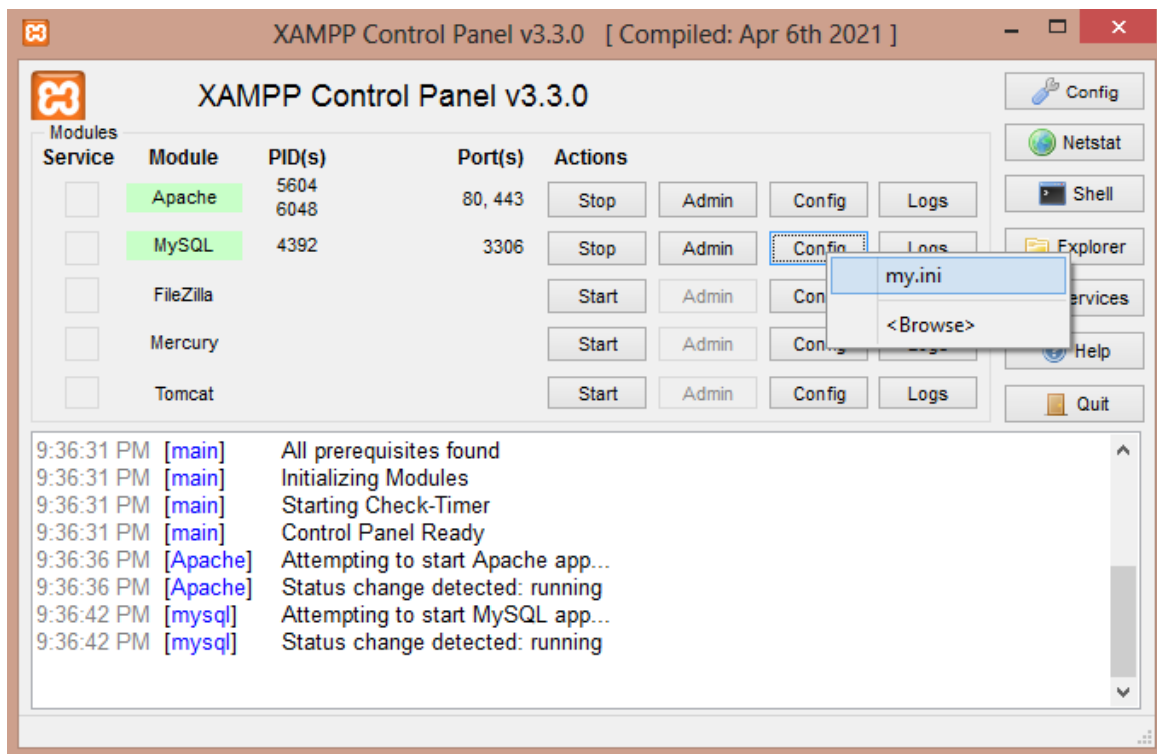
Step 6: Select the database to be replicated eg.) test



Step 7: Copy the lines that to be stored in my.ini file



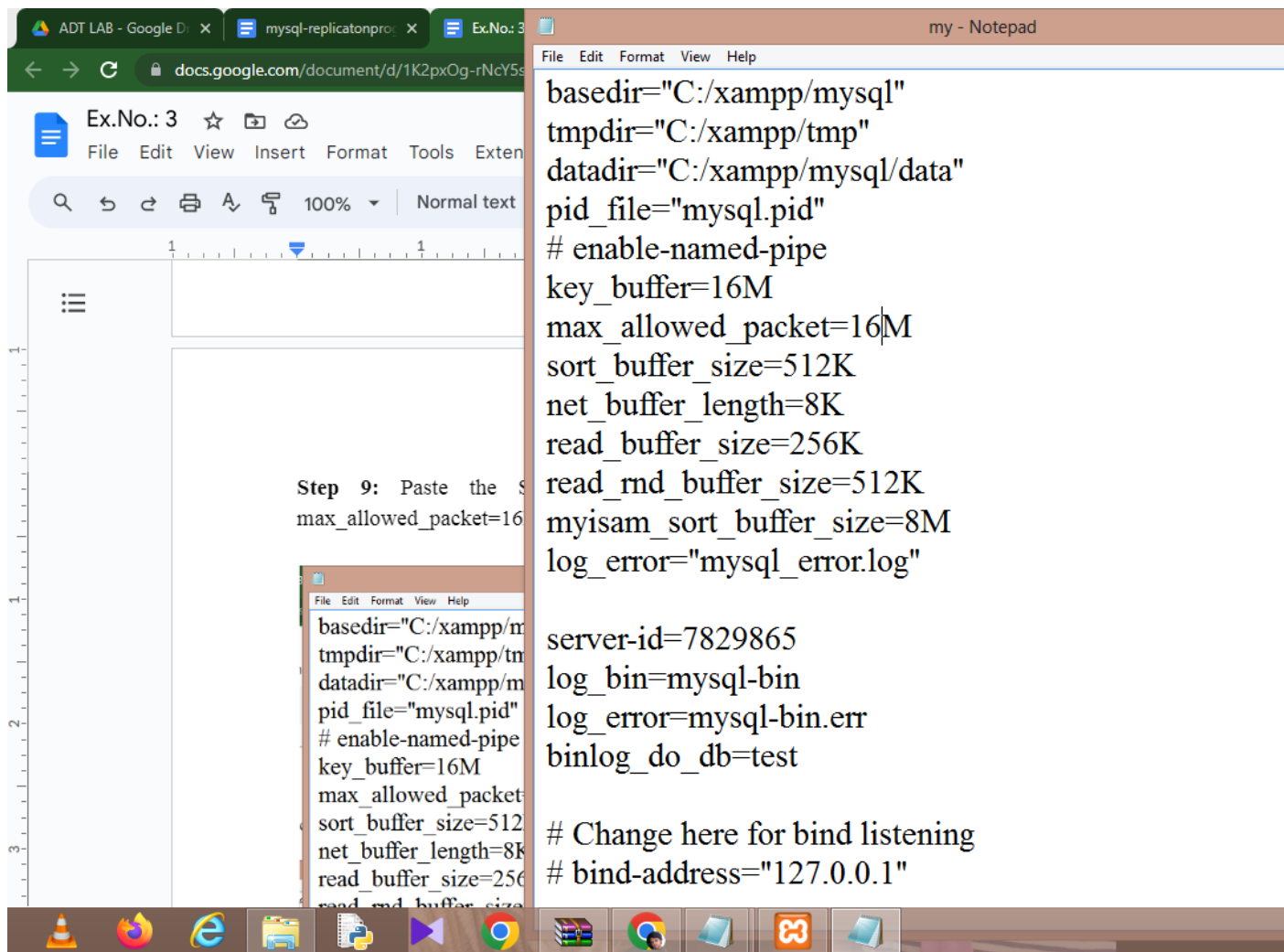
Step 8: Open XAMPP control panel and open my.ini file in the config tab



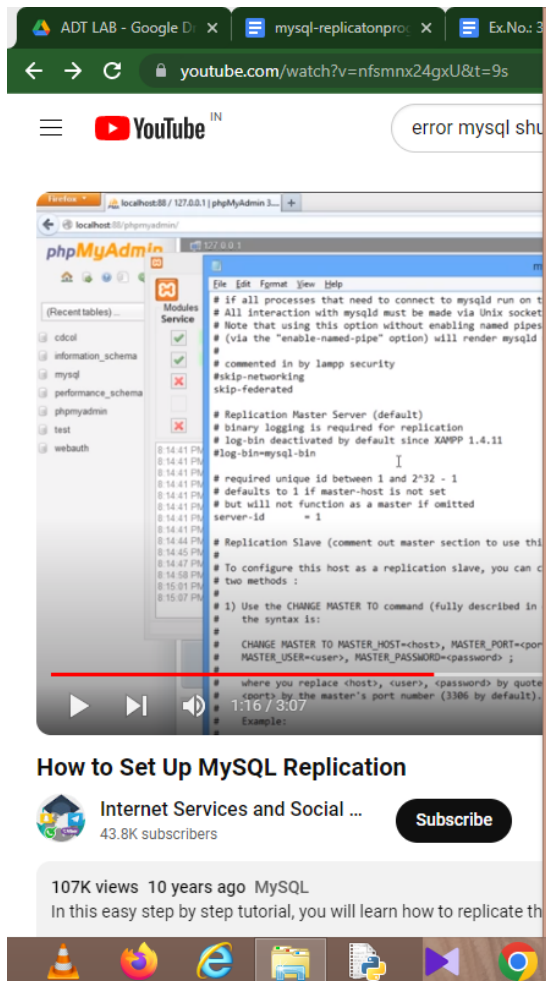
Step 8: Open XAMPP control panel and open my.ini file in the config tab



Step 9: Paste the Server configuration next to log_error and change the max_allowed_packet=16M



Step 10: Comment the server-id = 1



ADT LAB - Google Di X mysql-replicatonpro: X Ex.No: 3 my - Notepad

youtube.com/watch?v=nfsmnx24gxU&t=9s

error mysql shu

phpMyAdmin

mysql

```
# If all processes that need to connect to mysqld run on the
# All interaction with mysqld must be made via Unix socket
# Note that using this option without enabling named pipes
# (via the "enable-named-pipe" option) will render mysqld
# commented in by lamm security
#skip-networking
skip-federated

# Replication Master Server (default)
# binary logging is required for replication
# log-bin deactivated by default since XAMPP 1.4.11
#log-bin=mysql-bin

# required unique id between 1 and 2^32 - 1
# defaults to 1 if master-host is not set
# but will not function as a master if omitted
server-id      = 1

# Replication Slave (comment out master section to use this)
#
# To configure this host as a replication slave, you can choose
# between
# two methods :
#
# 1) Use the CHANGE MASTER TO command (fully described in our
# manual) -
# the syntax is:
#
# CHANGE MASTER TO MASTER_HOST=<host>, MASTER_PORT=<port>,
# MASTER_USER=<user>, MASTER_PASSWORD=<password>;
# where you replace <host>, <user>, <password> by quote
# <port> by the master's port number (3306 by default).
```

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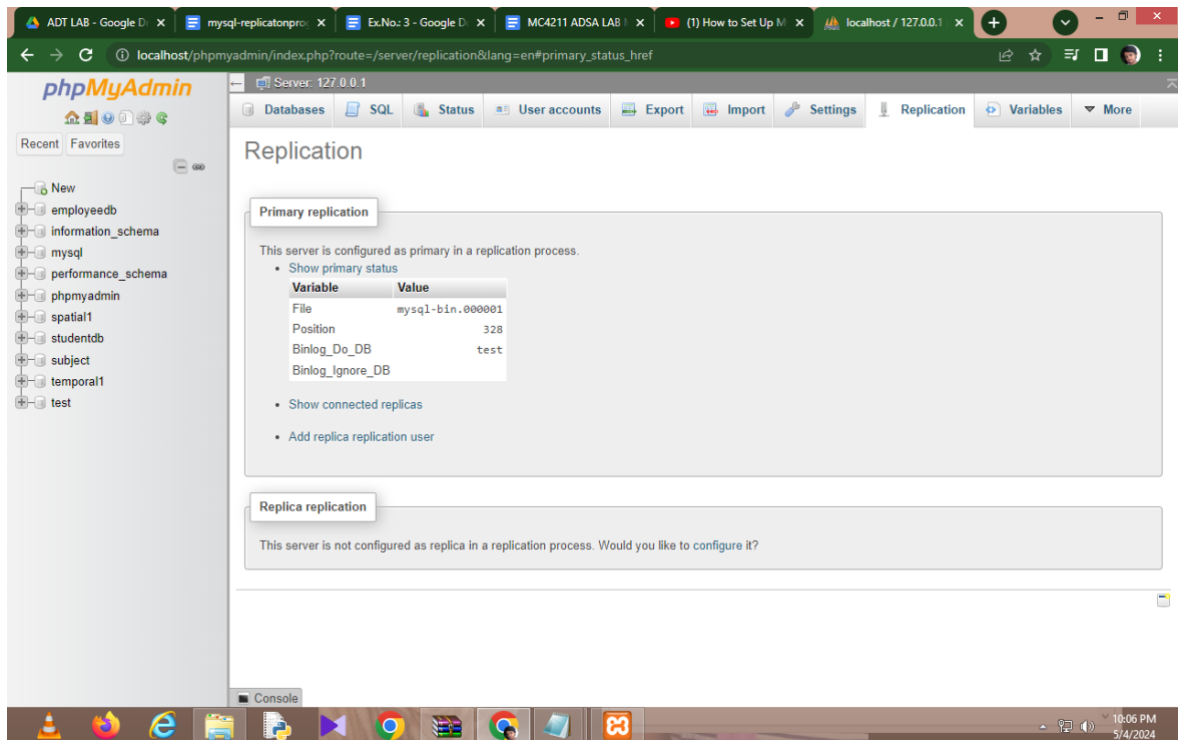
107K views 10 years ago MySQL

In this easy step by step tutorial, you will learn how to replicate th

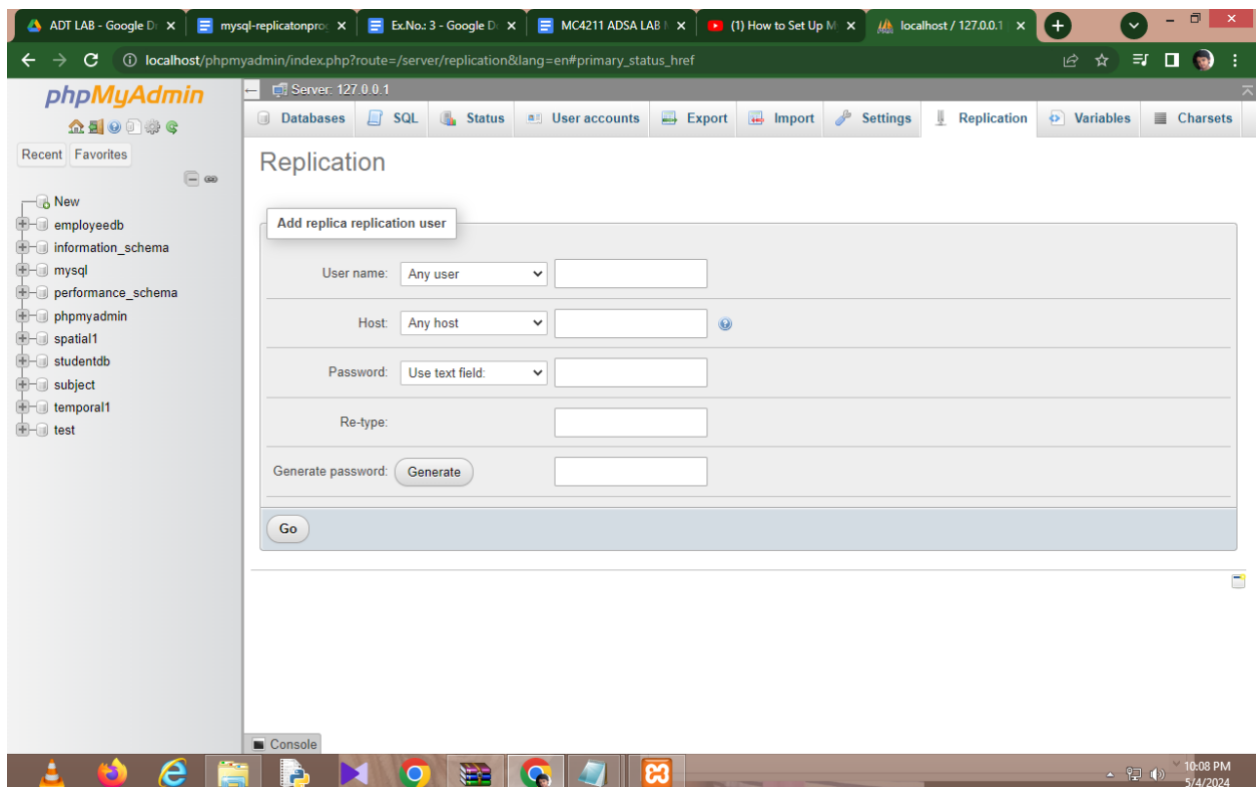
Step 11: Save the file and close it

Step 12: Restart the Apache and Mysql in xampp control panel

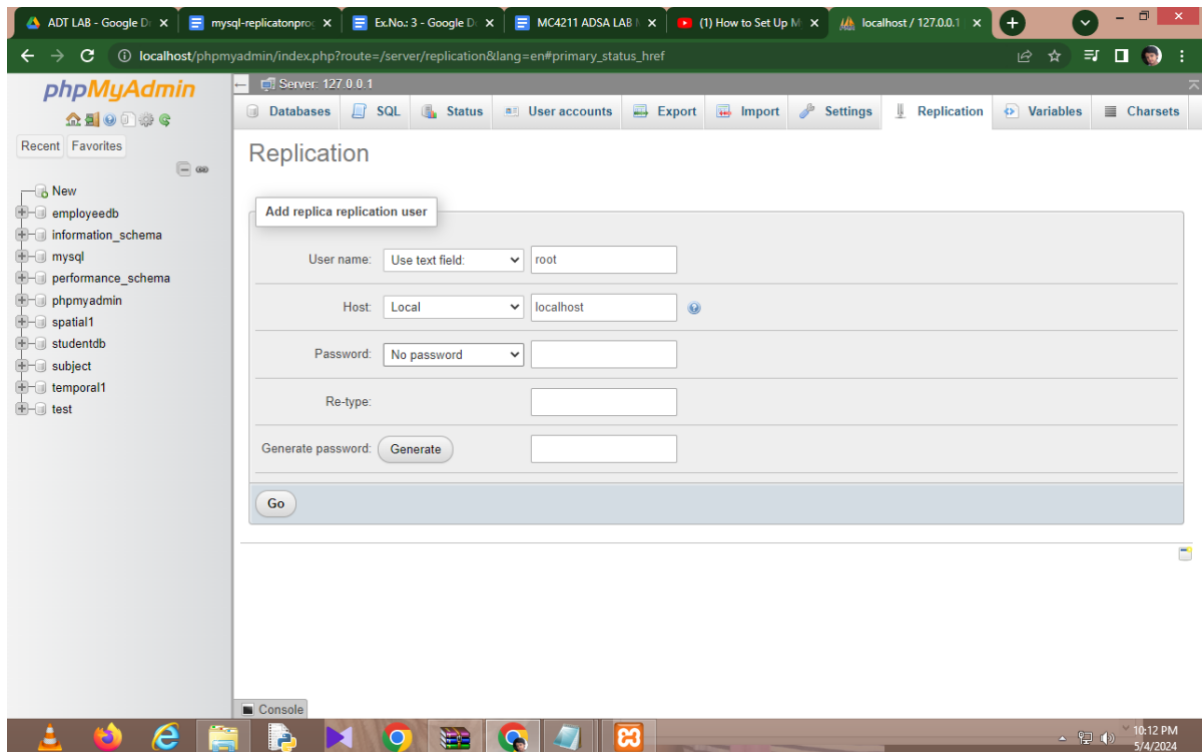
Step 13: Refresh the phpMyAdmin page and check whether the primary replication is setup successfully



Step 14: Click on to Add slave replication option / replica replication option

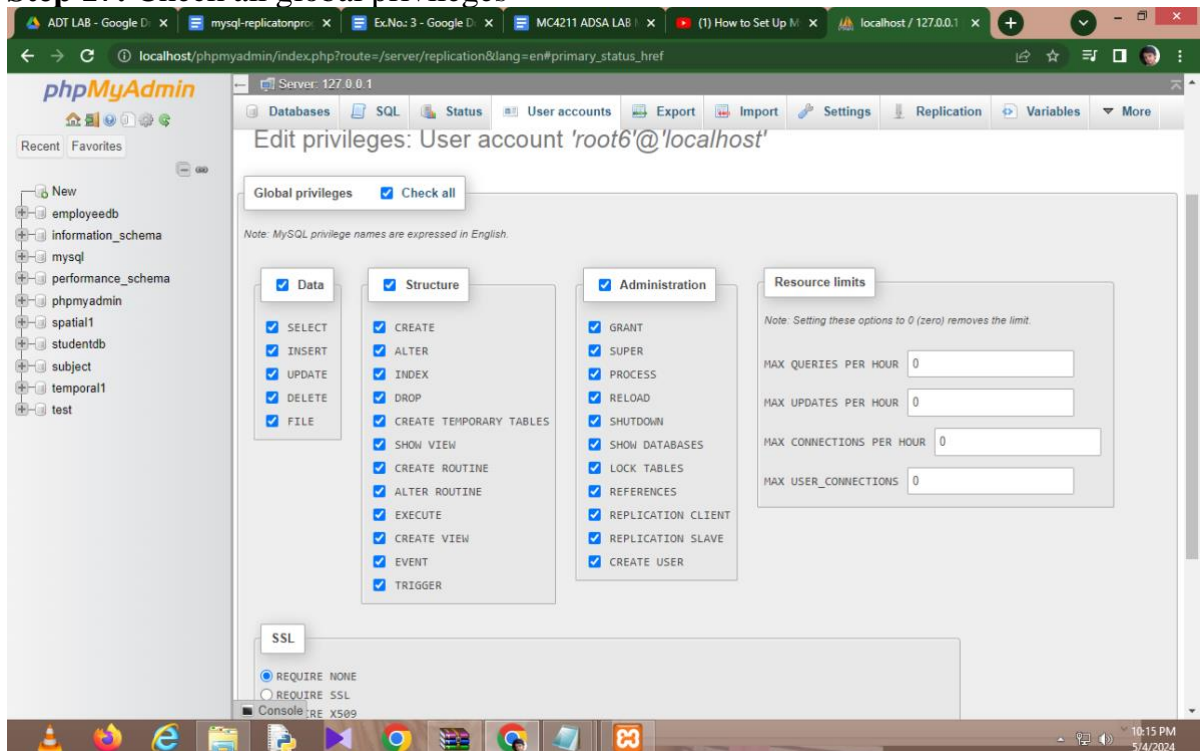


Step 15: Provide user name by clicking Use textfield and type user name as root and select Host as local and select No password in the Password field and Click Go button.

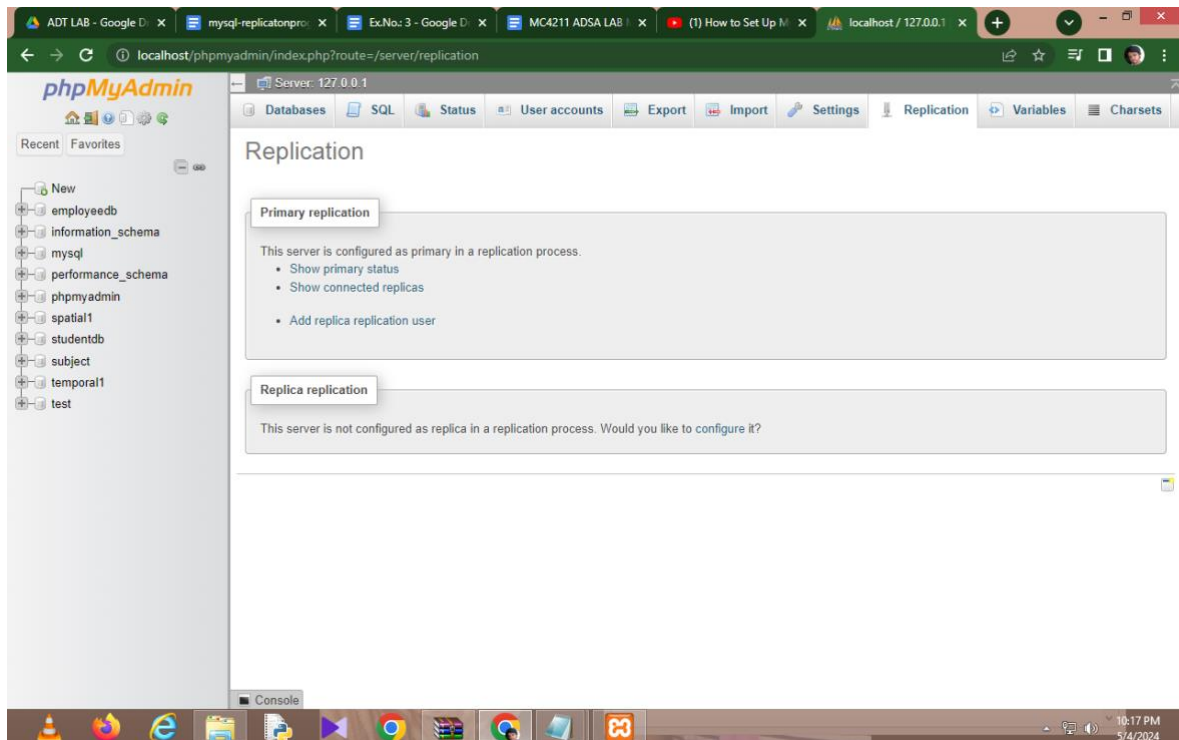


Step 16: If username exists give some other user name

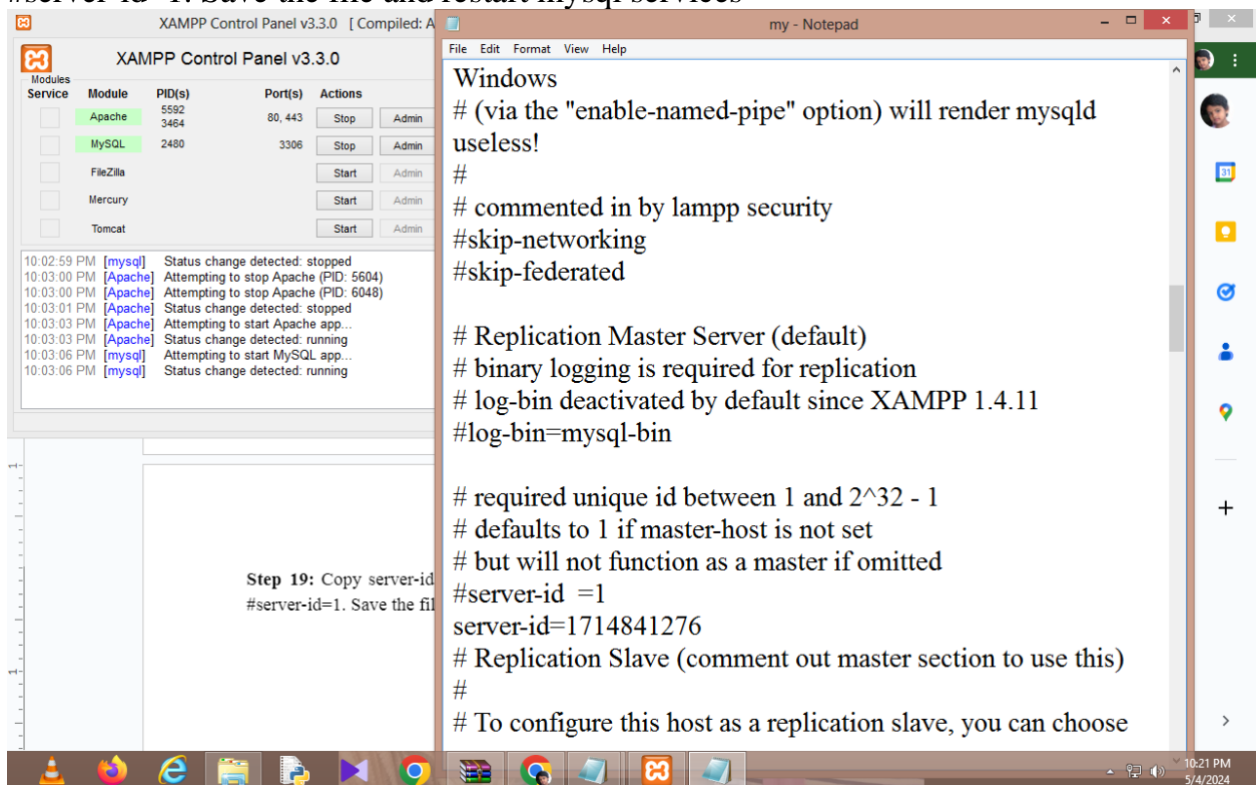
Step 17: Check all global privileges



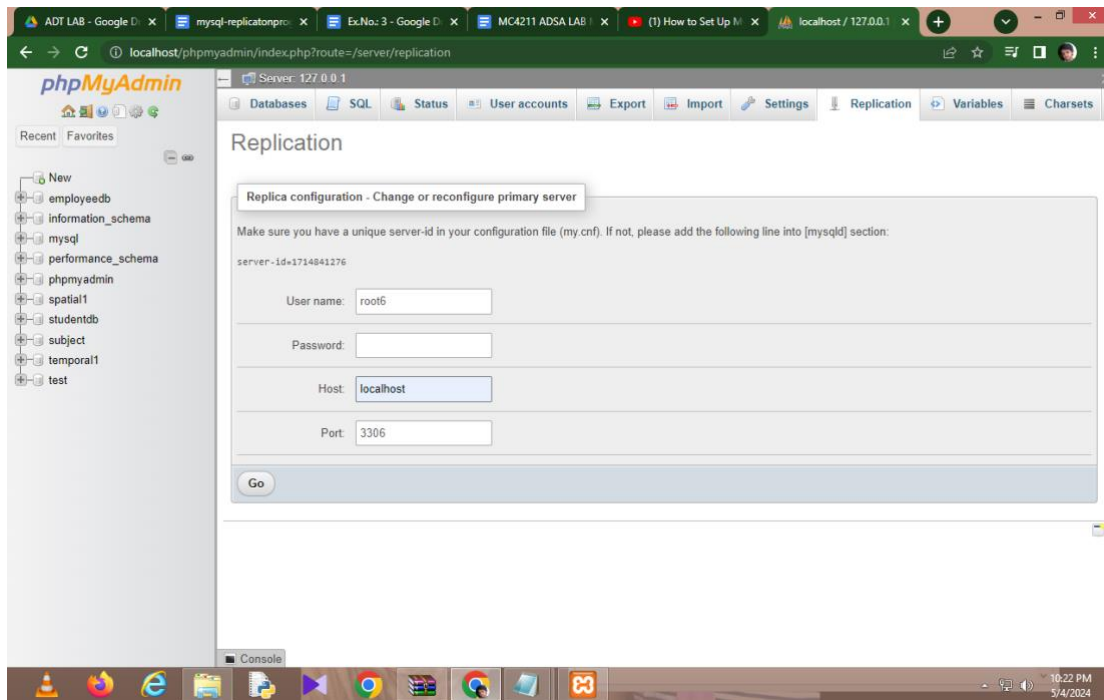
Step 18: Click on Replication tab again and configure replica replication



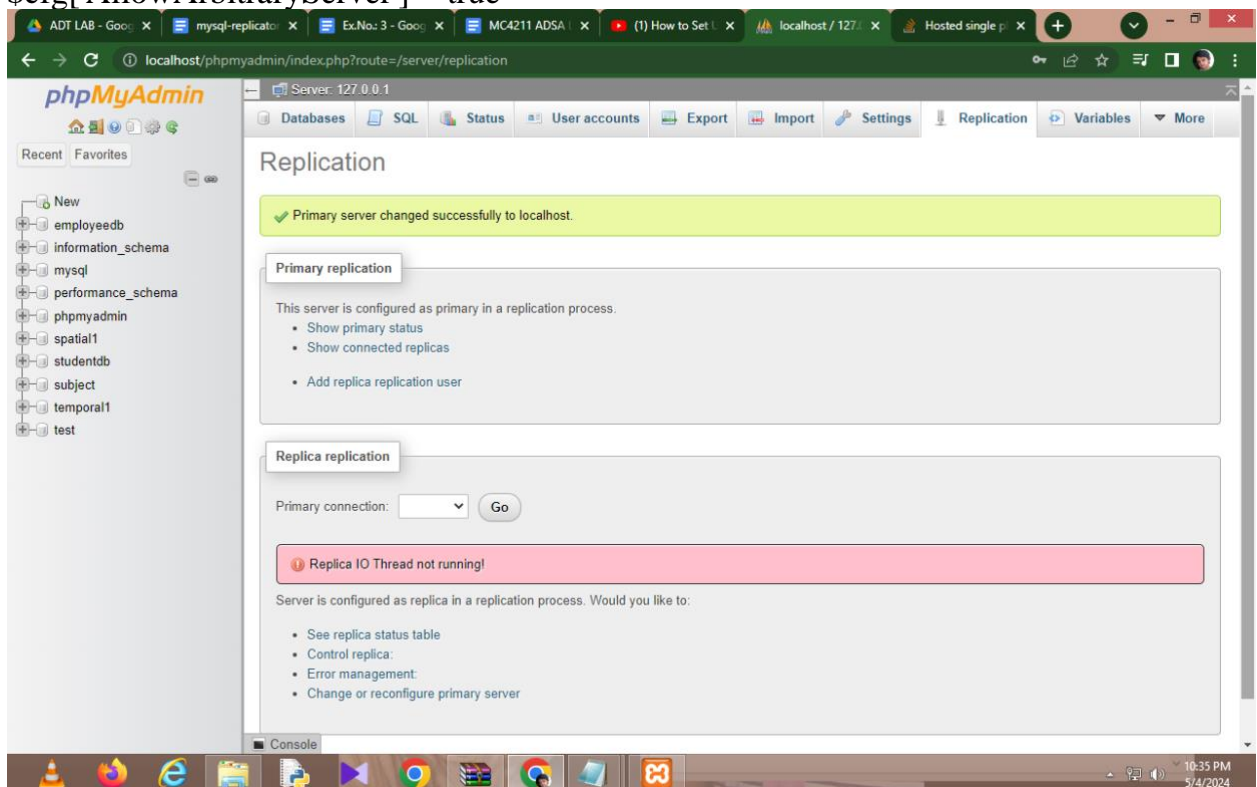
Step 19: Copy server-id of slave and paste it in my.ini file before the commented line `#server-id=1`. Save the file and restart mysql services



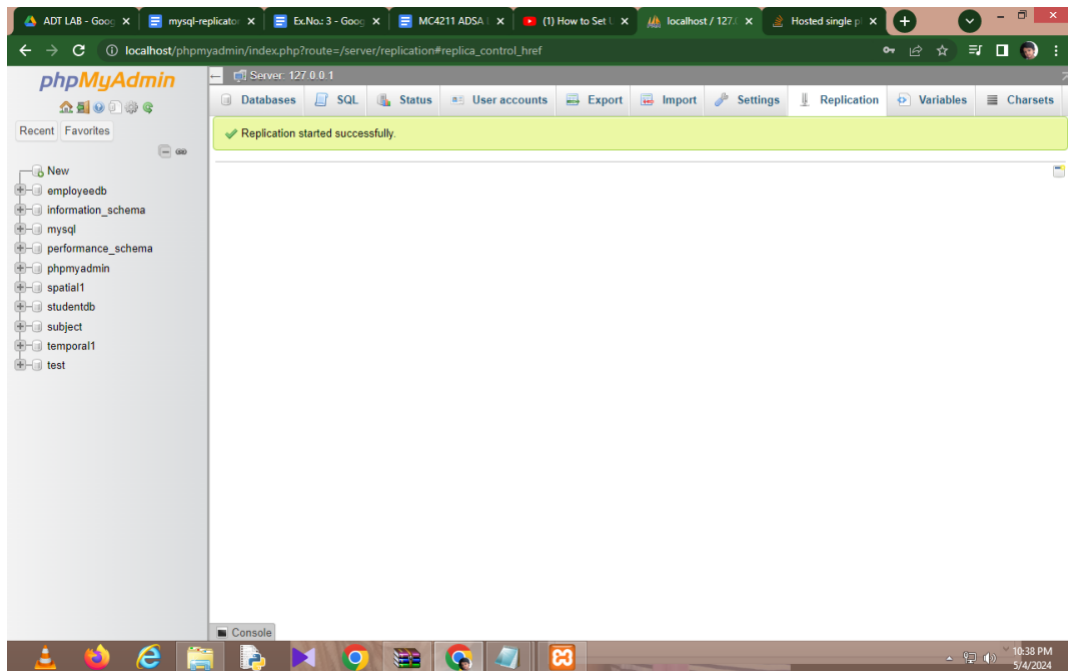
Step 20: Type the username and host and enter go



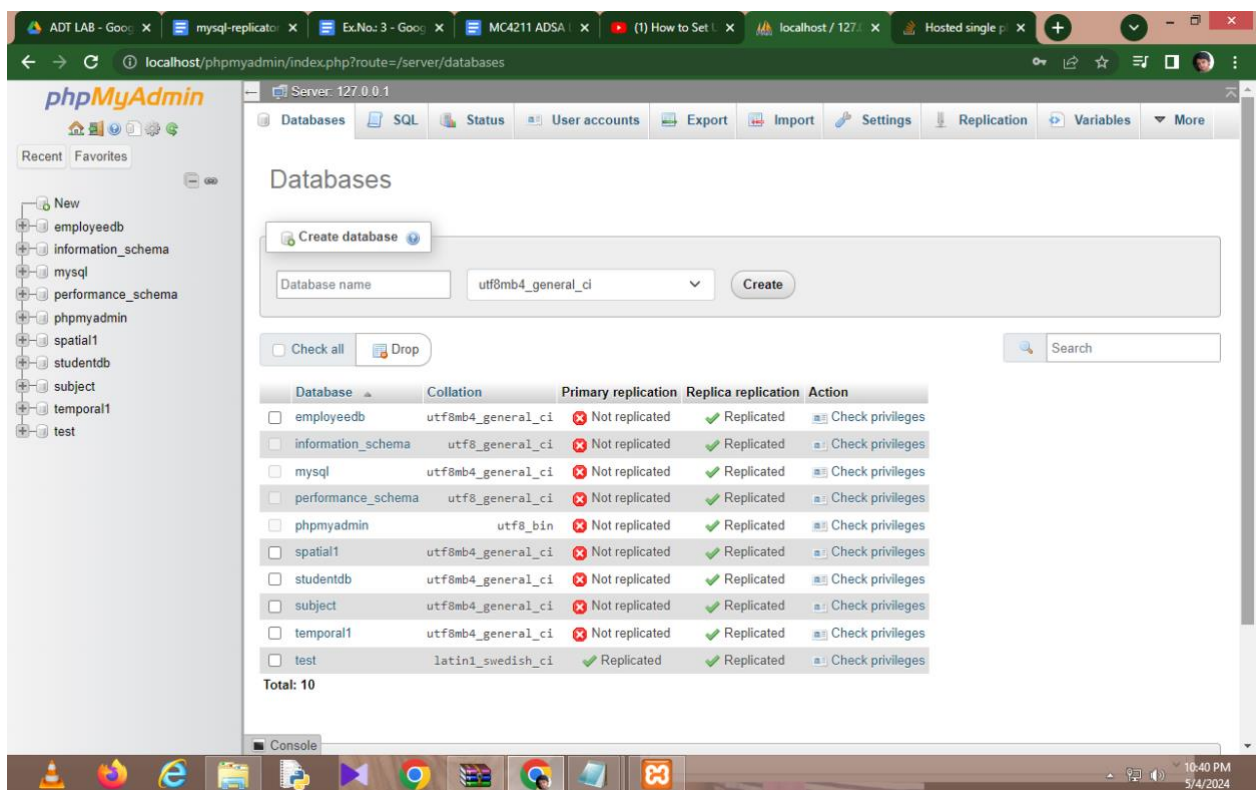
If privileges are not allowed for replication update phpMyadmin(config.inc.php) with the following line
`$cfg['AllowArbitraryServer'] = true`



Step 21: Click on control replica to resolve the errors and click on Start IOThread only



Step 22: Click on the databases tab and notice the test database is replicated



RESULT:

Thus the database in mysql is replicated successfully