**Database Performance Testing || How to create a database Plan || JDBC Request || How to Test Microsoft SQL Server Using JMeter(Performance Testing) || JMeter Load Testing || JMeter database load testing || How to Test MySQL Database Server Using JMeter(Performance Testing) || How to perform Database Load test using JMeter Step by Step || Database Tesing in Jmeter || How to test database with JMeter**

Whenever you want to do database testing using jmeter. either your database is sql or mysql or postgrace or oracle. you need to put jar file into jmeter > lib folder according to database which you are using

**Pre Requisites**

We need to add jar file, add mysql connector jar to lib folder of jmeter and restart jmeter

We required database so to do database testing using jmeter

We required Database information

1. Server Name means HOST Name
2. Port Number – by default is 3306
3. Username
4. Password
5. Database Name

We should have permission to do changes in database like (create, insert, update and delete) in db

**STEP1 – Make connection with Database**

Add jdbc connection configuration – it’s used to make a connection with database , we need to provides of database Details

Database URL: jdbc:mysql://server\_name or host\_name:port\_number/Database\_Name

Database URL: jdbc:mysql://servername:portnumber/DatabaseName

jdbc:mysql://localhost:3306/testdb

jdbc:mysql://localhost:3306/testdb

3306 is a port number

testdb is a database name

mysql is deployed on my local system so that’s why I used localhost, in case if you are using any other machine or server then you have to use that’s servername or IP address of that system instead of localhost so do changes accordingly

JDBC Driver class – we have dropdown option for that we need to select mysql jdbc driver

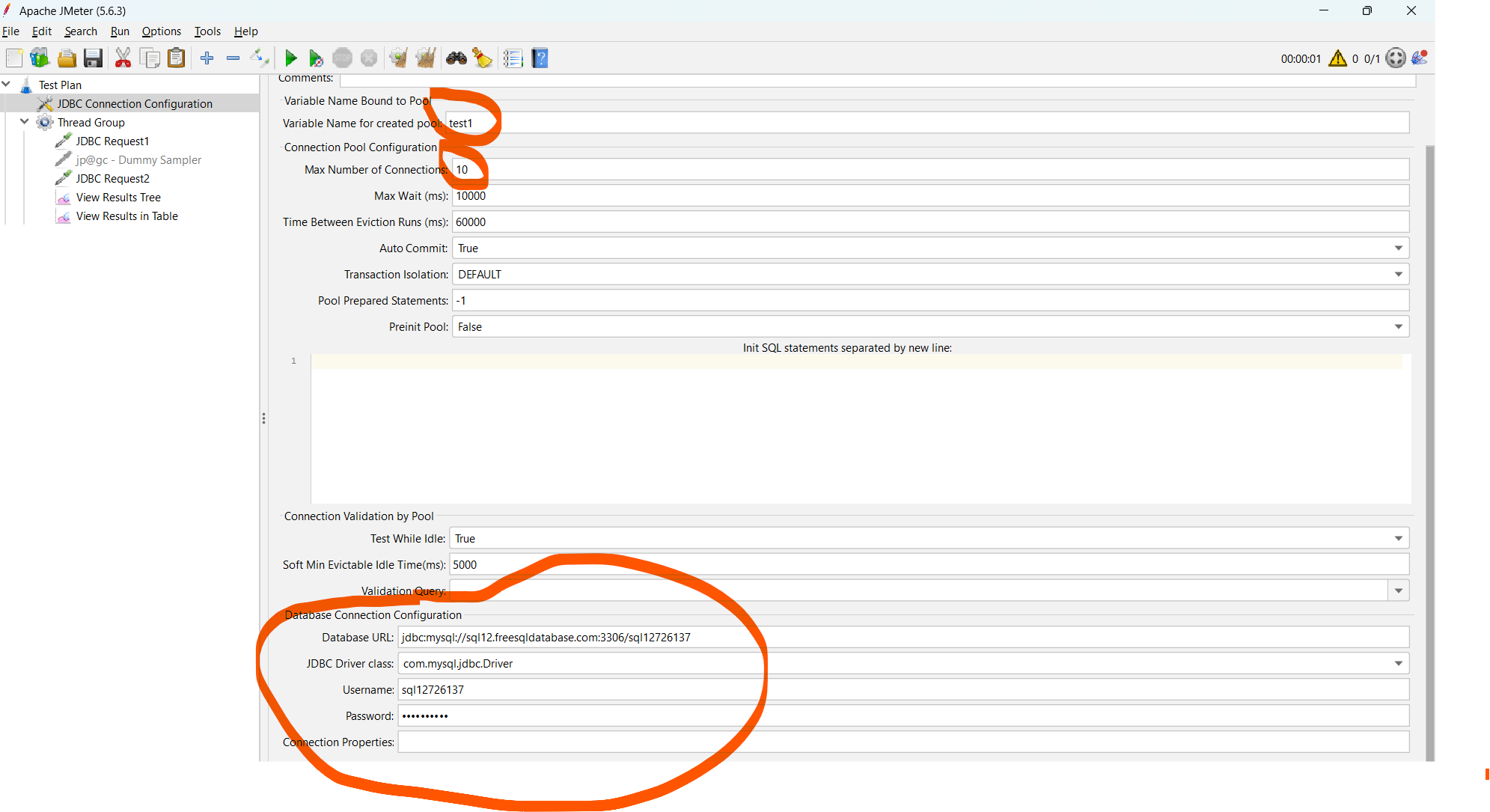
Username- we need to enter Database username

Password – we need to enter database Password

Connection of pool configuration

Max Number of connection is zero by default we have to make it 10 (optional)

Variable name for created pool - its variable name and you can give any name as per your choice

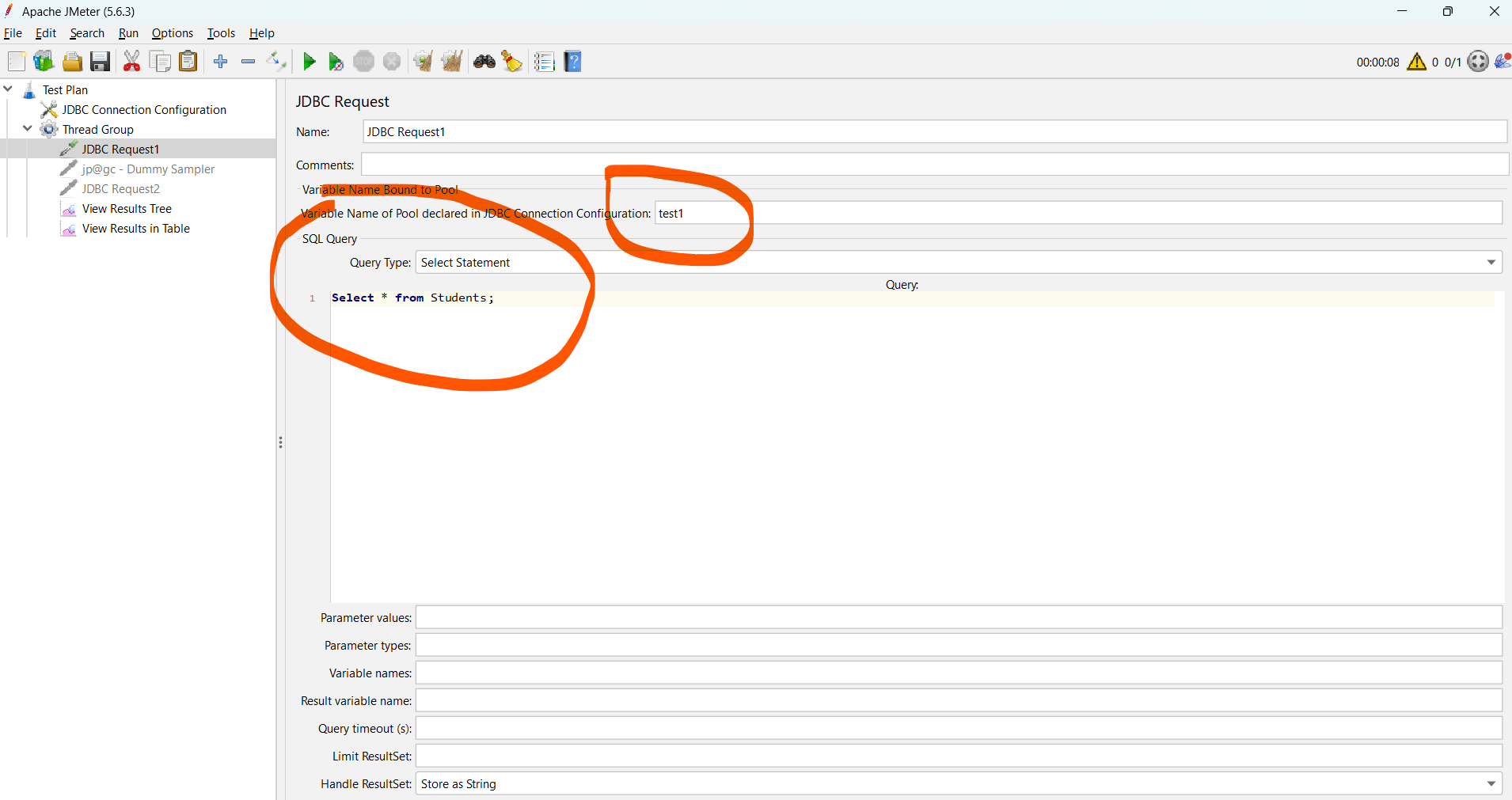


**Step 2- write SQL Query**

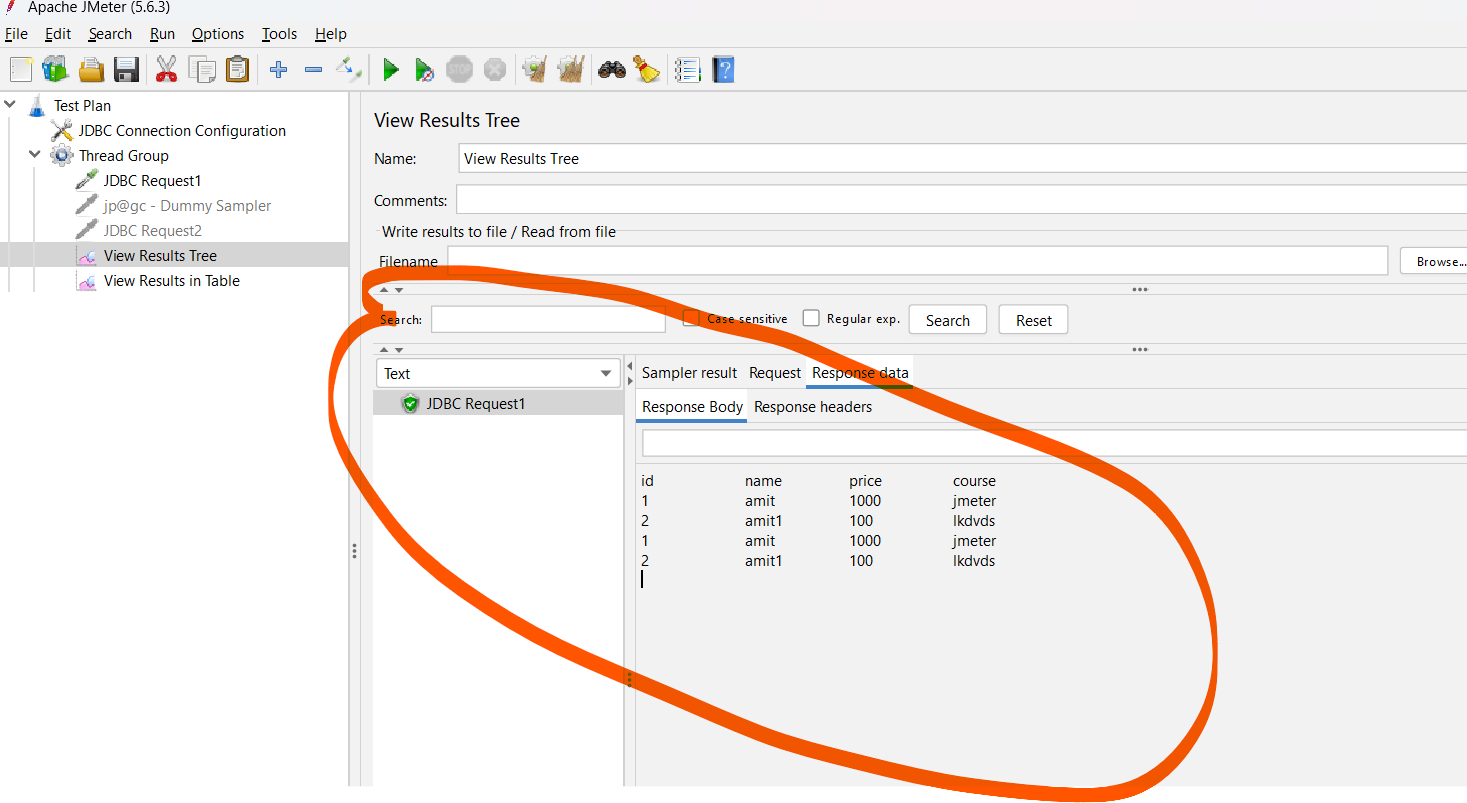
You need to add jdbc sampler request

We have to put the same variable name in variable name of pool declared in jdbc connection configuration

select query type and enter query as per your requirement



**step 3 – Execute the Test**



**Some SQL Query which can help you**

update Students set course = 'jmeter' where id = 2

update Students set price = 5000 where id = 1

select \* from Students where name like '%ram%' --- searching

select \* from Students where course like '%sscs%' **like operator is used for searching with '%sscs%' its will search in whole table like that search keyword**

select distinct \* from Students **distinct keyword is used to give the unique data**

select \* from Students

select price from Students where course ='e'

select name from Students where price>100

delete from Students where price = 203

**select** \* **from** Students **where** price > 100

**Delete** **from** Students **where** id = 4

**Delete** **from** Students

**select** \* **from** Students **order** **by** id **desc**

Your new database is now ready to use.

To connect to your database use these details;

jdbc:mysql://sql12.freesqldatabase.com:3306/sql12726137

Host: sql12.freesqldatabase.com

Database name: sql12726137

Database user: sql12726137

Database password: QrZRp46rI9

Port number: 3306

<https://www.phpmyadmin.co/index.php>