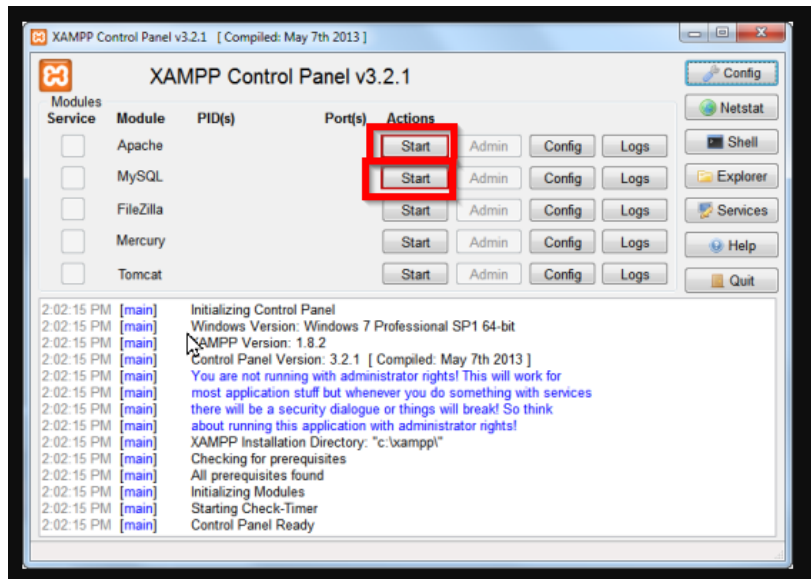


Install and preparing mysql DB

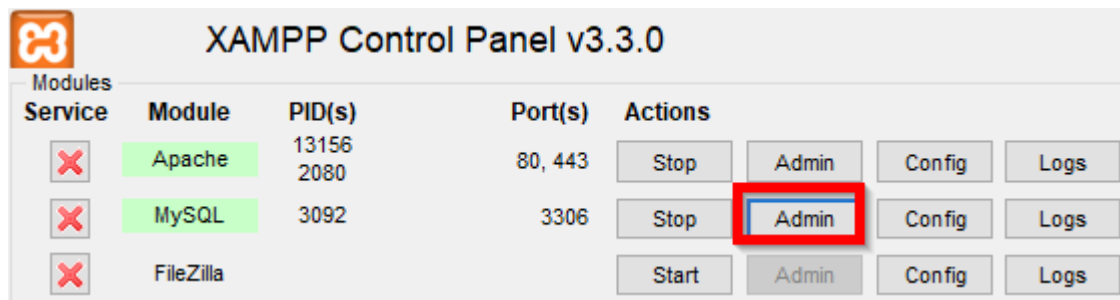
Download and install XAMPP -> <https://www.apachefriends.org/download.html>

Start XAMPP Control Panel

Start Apache and MySQL



On Mysql select Admin button for phpMyAdmin panel, should open in default browser

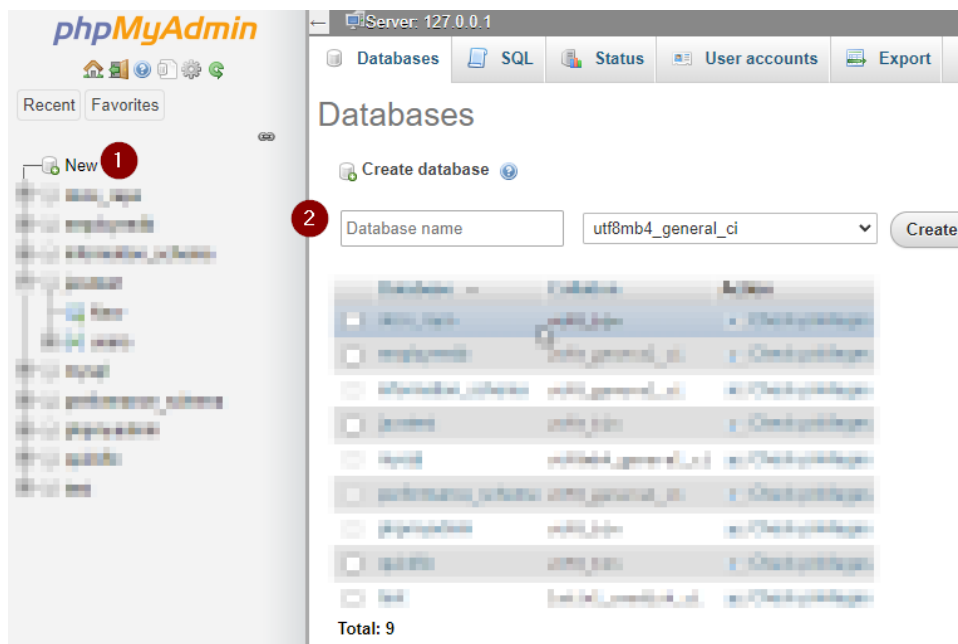


NOTE!!

If XAMPP freezes or crashes while stoping Apache and MySql modules, kill process in Task Manager,

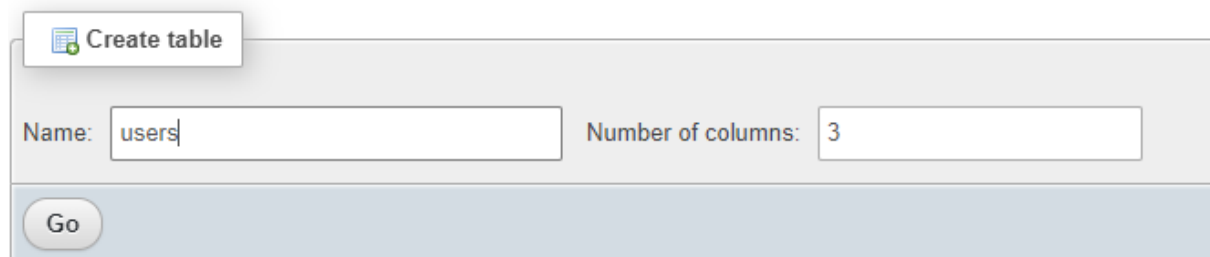
next time start Xamp Control Panel with „Run as administrator“ privileges.

Select New DB, add name (example, „javatest“) and confirm on Create



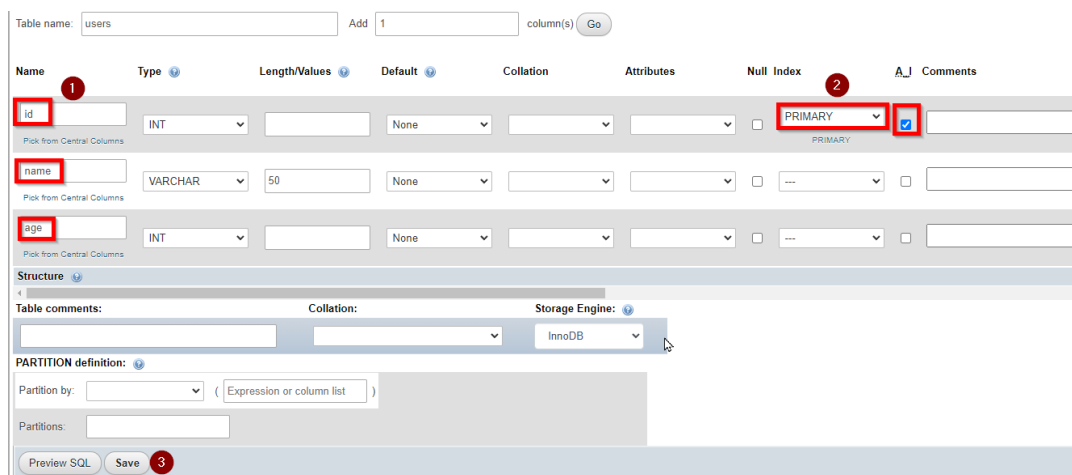
The screenshot shows the phpMyAdmin interface. On the left, the 'New' button is highlighted with a red circle and the number 1. In the center, the 'Create database' form has the 'Database name' field filled with 'utf8mb4_general_ci', and this field is highlighted with a red circle and the number 2. The 'Create' button is visible to the right of the field. Below the form, a list of existing databases is shown, including 'mysql', 'information_schema', 'performance_schema', 'sys', 'test', and 'users'. The 'Total: 9' text is at the bottom of the list.

Add new table name and number of columns and confirm on **Go**



The screenshot shows the 'Create table' form. The 'Name' field is filled with 'users' and the 'Number of columns' field is filled with '3'. The 'Go' button is at the bottom left of the form.

set column properties and confirm on **Save**



The screenshot shows the 'Column structure' form. The 'Table name' is 'users' and the 'Add' button is next to the '1' in the 'column(s)' field. The 'Go' button is to the right of the 'column(s)' field. The table has three columns: 'id', 'name', and 'age'. The 'id' column is highlighted with a red circle and the number 1. The 'PRIMARY' checkbox is checked for the 'id' column, and this checkbox is highlighted with a red circle and the number 2. The 'Save' button is at the bottom right of the form, highlighted with a red circle and the number 3.

Connection settings to DB

Default DB connect properties are:

username: root,

password: [empty] (no password set),

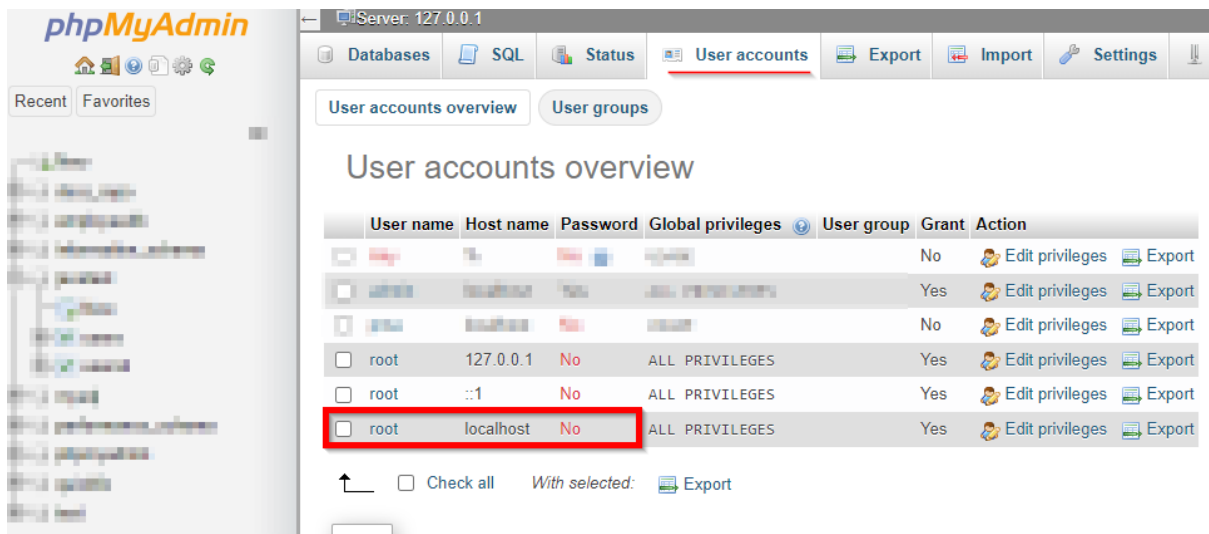
host: localhost,

port: 3306

additionally can be edited in **config.inc.php** file in **C:\xampp\phpMyAdmin** location

```
/* Authentication type and info */
$config['Servers'][$i]['auth_type'] = 'mysql';
$config['Servers'][$i]['user'] = 'root';
$config['Servers'][$i]['password'] = '';
$config['Servers'][$i]['extension'] = 'mysql';
$config['Servers'][$i]['ssl_enable'] = false;
$config['Servers'][$i]['ssl_key'] = '';
```

or at **User accounts** of MySQL **phpMyAdmin** dashboard,



The screenshot shows the phpMyAdmin interface for 'Server: 127.0.0.1'. The 'User accounts overview' tab is active, displaying a table of existing users. The table has columns: User name, Host name, Password, Global privileges, User group, Grant, and Action. The 'root' user on 'localhost' is highlighted with a red box.

User name	Host name	Password	Global privileges	User group	Grant	Action
root	localhost	No	ALL PRIVILEGES	Yes	Yes	Edit privileges Export
root	127.0.0.1	No	ALL PRIVILEGES	Yes	Yes	Edit privileges Export
root	:::1	No	ALL PRIVILEGES	Yes	Yes	Edit privileges Export
root	localhost	No	ALL PRIVILEGES	Yes	Yes	Edit privileges Export

or add new user

example,

user: **admin**,

password: **admin**

this credentials are used to establish connection to DB.

Adding mysql jdbc driver to intelliJ

Download driver for mysql: <https://downloads.mysql.com/archives/c-j/> (or <https://dev.mysql.com/downloads/connector/j/>)

Extract jar file from zip to custom folder

MySQL Product Archives

MySQL Connector/J (Archived Versions)

Please note that these are old versions. New releases will have recent bug fixes and features!
To download the latest release of MySQL Connector/J, please visit [MySQL Downloads](#).

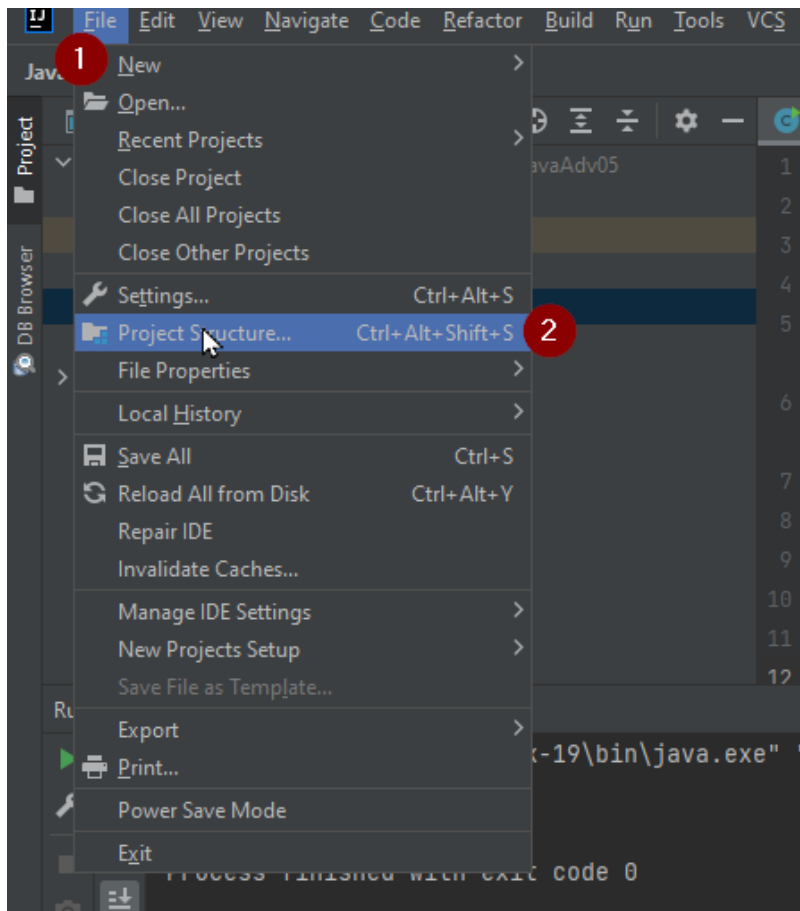
Product Version: 8.0.32
Operating System: Platform Independent

Platform Independent (Architecture Independent), Compressed TAR Archive (mysql-connector-j-8.0.32.tar.gz)	Dec 7, 2022	4.0M	Download
Platform Independent (Architecture Independent), ZIP Archive (mysql-connector-j-8.0.32.zip)	Dec 7, 2022	4.8M	Download

We suggest that you use the MD5 checksums and GnuPG signatures to verify the integrity of the packages you download.

MySQL open source software is provided under the [GPL License](#).

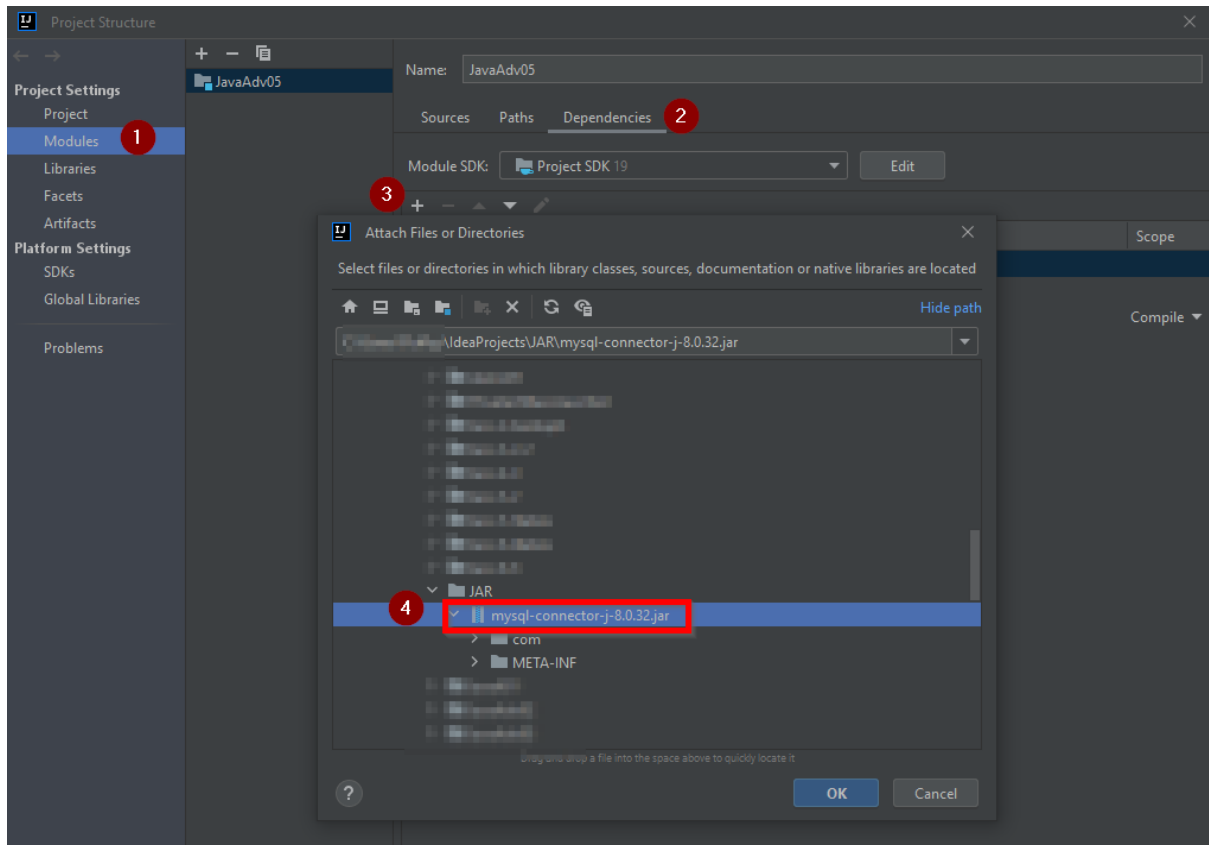
In IntelliJ select File -> Project Structure



In Project structure settings select „Modules“ section -> „Dependencies“ tab

Select + (Add) button -> „JARs and Directories“

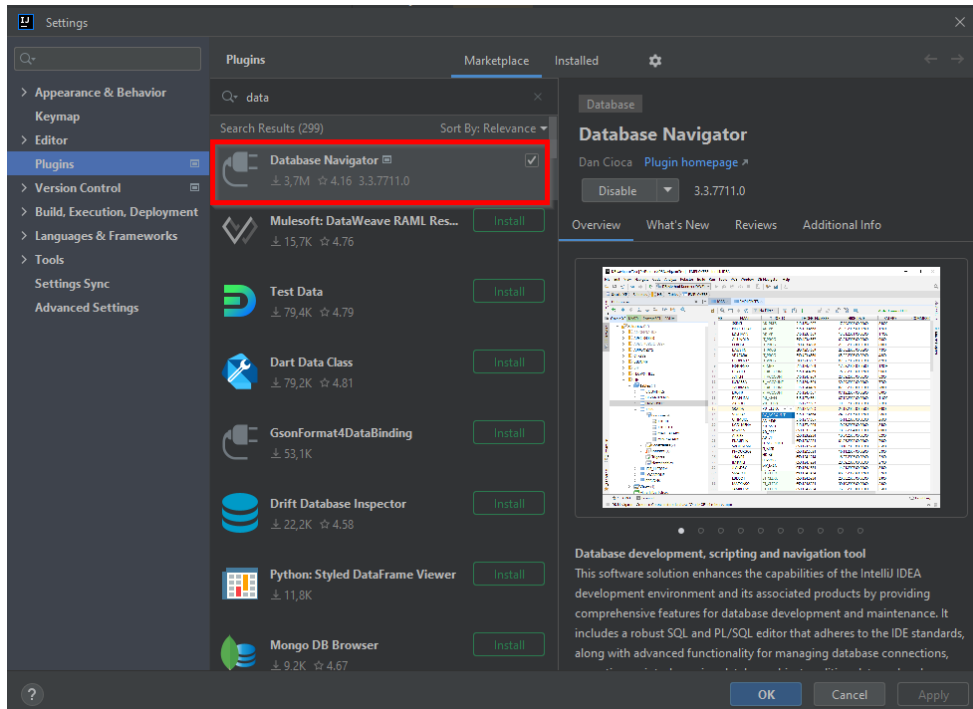
in **Attach Files or Directories** dialog, find location of unzipped file and select **mysql-connector-j-x.x.xx.jar** file, and confirm „Ok“ dialog and project structure dialog window.



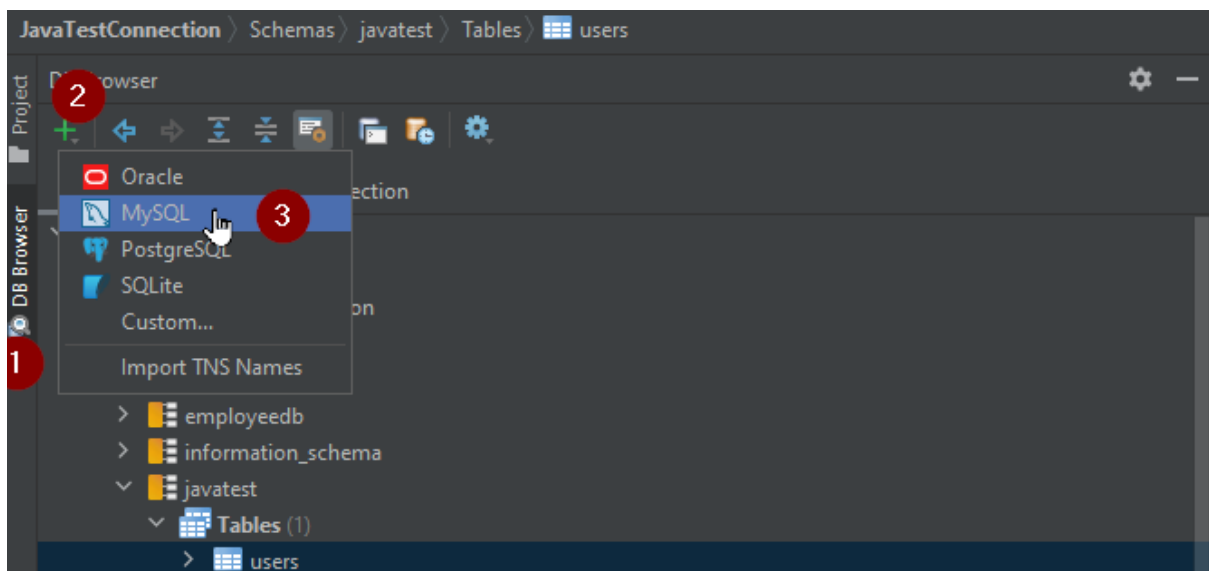
Setting up DB navigator

Open File -> Settings -> Plugins section

On Marketplace search for Database Navigator and Install

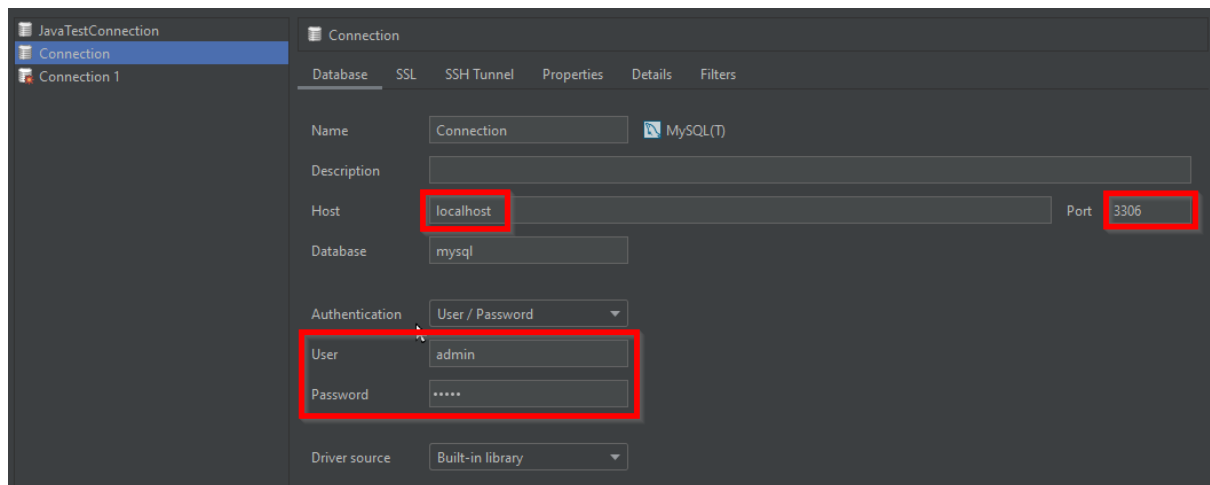


Select DB Browser panel and create new connection

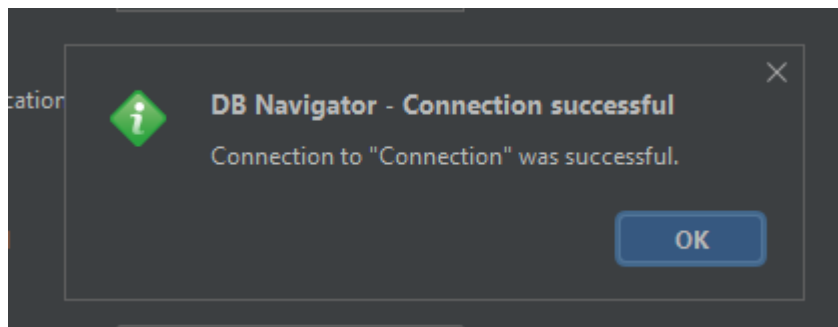


Fill required fields for name, host, port (leave the default port), username and password for connection

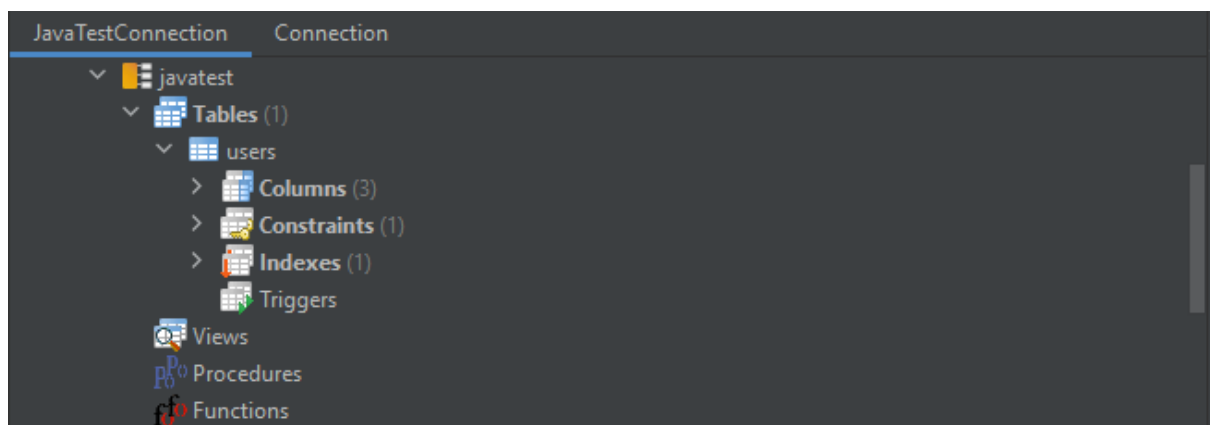
Note: if there is no password set, on „Authentication“ field select: „User“ option



Check on Test connection and Ok to connect



Connection to DB should be established, a should be able to see users table



Inserting first data

Setting properties for connection to DB:

```
try (Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/javatest",
"admin", "admin")) {
}
```

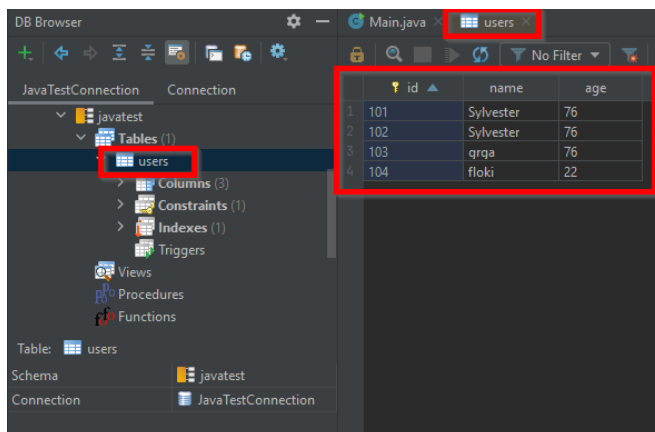
```
try (Connection conn = DriverManager.getConnection( url: "jdbc:mysql://localhost:3306/javatest", user: "admin", password: "admin")) {
```

inserting several entries in Main class, one by one

```
public class Main {
    no usages
    public static void main(String[] args) throws SQLException {
        try (Connection conn = DriverManager.getConnection( url: "jdbc:mysql://localhost:3306/javatest", user: "admin", password: "admin")) {
            //
            // PreparedStatement ps = conn.prepareStatement("INSERT INTO users (id, name, age) VALUES (101,'Sylvester', 76)");
            // PreparedStatement ps = conn.prepareStatement("INSERT INTO users (name, age) VALUES ('Sylvester', 76)");
            // PreparedStatement ps = conn.prepareStatement("INSERT INTO users (name, age) VALUES ('grqa', 76)");
            PreparedStatement ps = conn.prepareStatement( sql: "INSERT INTO users (name, age) VALUES ('flokki', 22)");

            System.out.println("SQL statement successful." + ps.executeUpdate());
        }
    }
}
```

checking for data in DB Browser



	id	name	age
1	101	Sylvester	76
2	102	Sylvester	76
3	103	grqa	76
4	104	flokki	22

checking for data in phpMyAdmin

The screenshot shows the phpMyAdmin web interface. On the left sidebar, the 'users' table is selected under the 'javatest' database. The main panel displays the table's data. A red box highlights the 'users' table name in the top navigation bar. Another red box highlights the table data grid, which includes columns for 'id', 'name', and 'age'. The data shows four rows: (101, Sylvester, 76), (102, Sylvester, 76), (103, grga, 76), and (104, floki, 22). Each row has checkboxes for selection and icons for Edit, Copy, and Delete.

Server: 127.0.0.1 » Database: javatest » Table: users

Showing rows 0 - 3 (4 total, Query took 0.0005 seconds.)

```
SELECT * FROM `users`
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Ref]

Show all | Number of rows: 25 | Filter rows: Search

				id	name	age
<input type="checkbox"/>	Edit	Copy	Delete	101	Sylvester	76
<input type="checkbox"/>	Edit	Copy	Delete	102	Sylvester	76
<input type="checkbox"/>	Edit	Copy	Delete	103	grga	76
<input type="checkbox"/>	Edit	Copy	Delete	104	floki	22