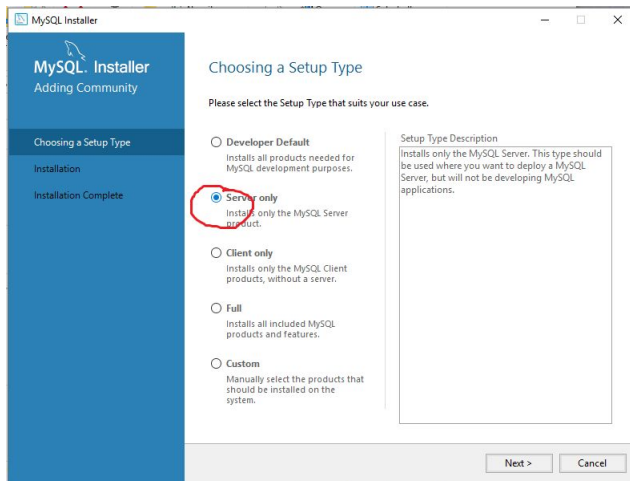
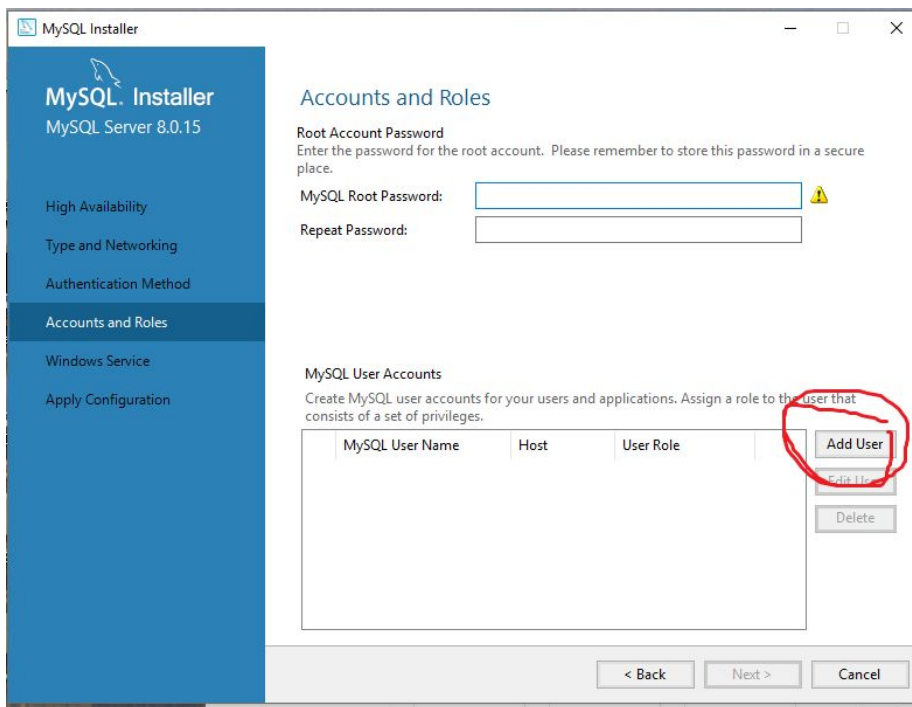
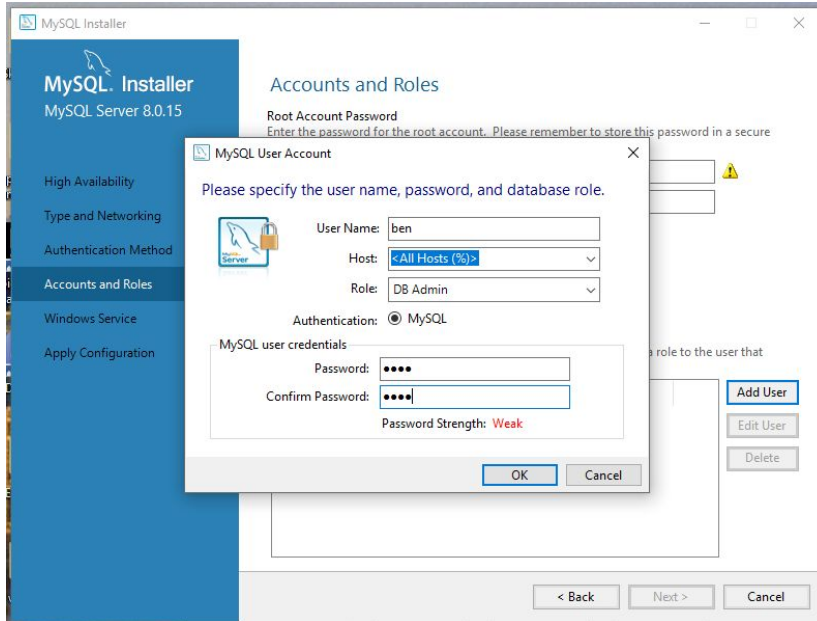


1. Download this: <https://dev.mysql.com/downloads/windows/installer/8.0.html>
2. Run the installer, select server only

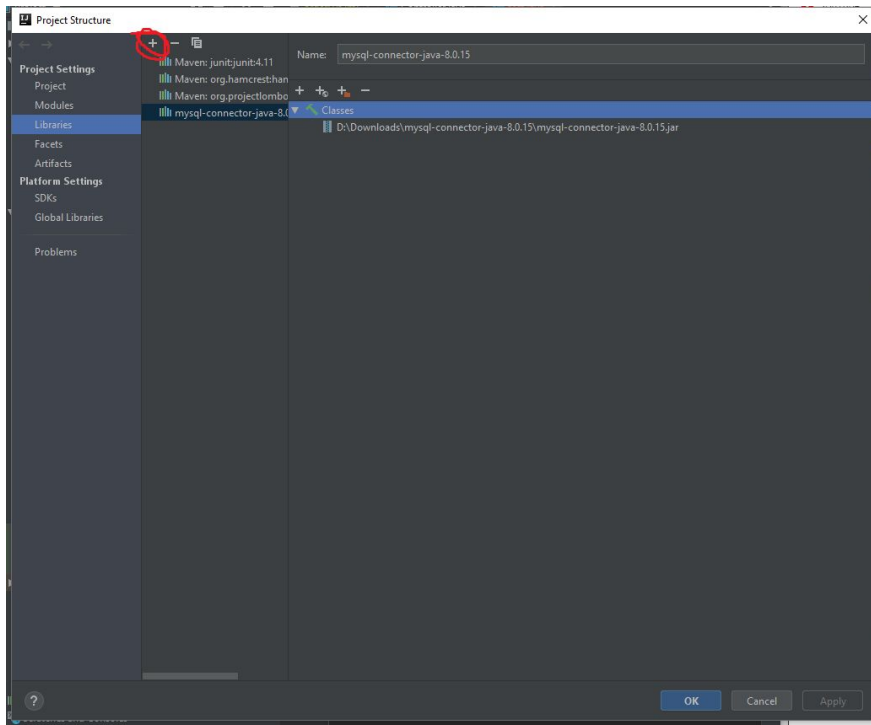


3. Click next through the installation until you get the authentication setup. Set the root password and add a user. You will use this user to connect to your database, so remember the credentials.





4. After that everything else should be default, click next/execute until the installer finishes.
5. Next, download the connector from here: <https://dev.mysql.com/downloads/connector/j/>  
In the version dropdown, choose platform independent.
6. You have to add the jar file from the download in the previous step to the classpath in your IDE. In IntelliJ navigate to File->Project Structure->Libraries then click on this plus:



select the java option then enter the path to mysql-connector-java-8.0.15.jar then press ok to everything. Make sure to press apply before you close the project structure window.

7. Make a database. I used the command line client that comes with the mysql server installation. You can find it by typing mysql into the windows search field. After you log into the command line client using the root password, run "create database yourdbname;"

8. You should be all set, run this to test

```
String url = "jdbc:mysql://localhost:3306/yourdbname";
String username = "ben";
String password = "1234";

Statement stmt = null;
ResultSet rs = null;
String myTable = "CREATE TABLE whatever(name VARCHAR(10))";

System.out.println("Connecting database...");

try (Connection con = DriverManager.getConnection(url, username, password)) {
    System.out.println("Database connected!");
    stmt = con.createStatement();
    stmt.executeUpdate(myTable);

} catch (SQLException e) {
    throw new IllegalStateException("Cannot connect the database!", e);
}
```

To check that the code actually updated the database, go back to the mysql command line and run:

USE yourdbname;

SHOW TABLES;