CONECTING TO MICROSOFT SERVER 2014

1. Type the Code below, if it works the program will print the connection and my phrase. Notice we need to change the database name and give permissions to the user that we will allow to log in to access the project database.

**package** conn;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.SQLException;

**public** **class** connet {

**public** **static** **void** main(String[] args) **throws** ClassNotFoundException, SQLException{

Class.*forName*("com.microsoft.sqlserver.jdbc.SQLServerDriver");

String connectionURL = "jdbc:sqlserver://localhost:1433;databaseName=Demo-Database;user=user;password=Pass123456";

Connection con = DriverManager.*getConnection*(connectionURL);

System.***out***.println("You are connected ");

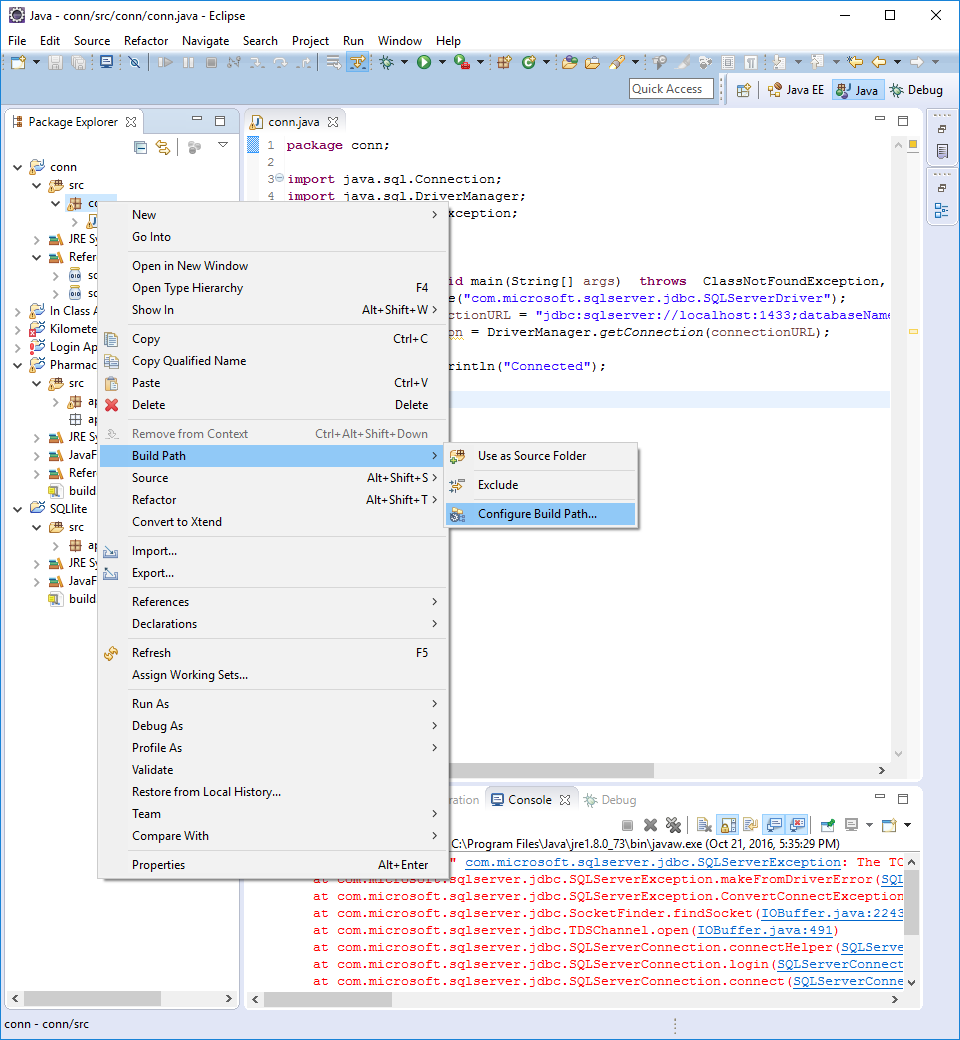
System.***out***.println(con);

}}

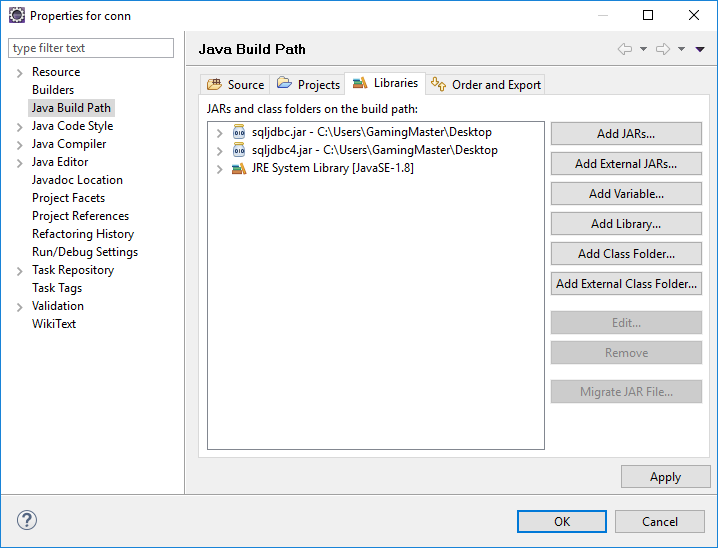
1. Next you need to place the JAR driver file from Microsoft into our IDE libraries. It is called sqljdbc4 I will place this file in the drive. Below I will show how to add it to eclipse and Intellij .

ECLIPSE

* Right click on the Project file then Build Path -> Configure Build Path.

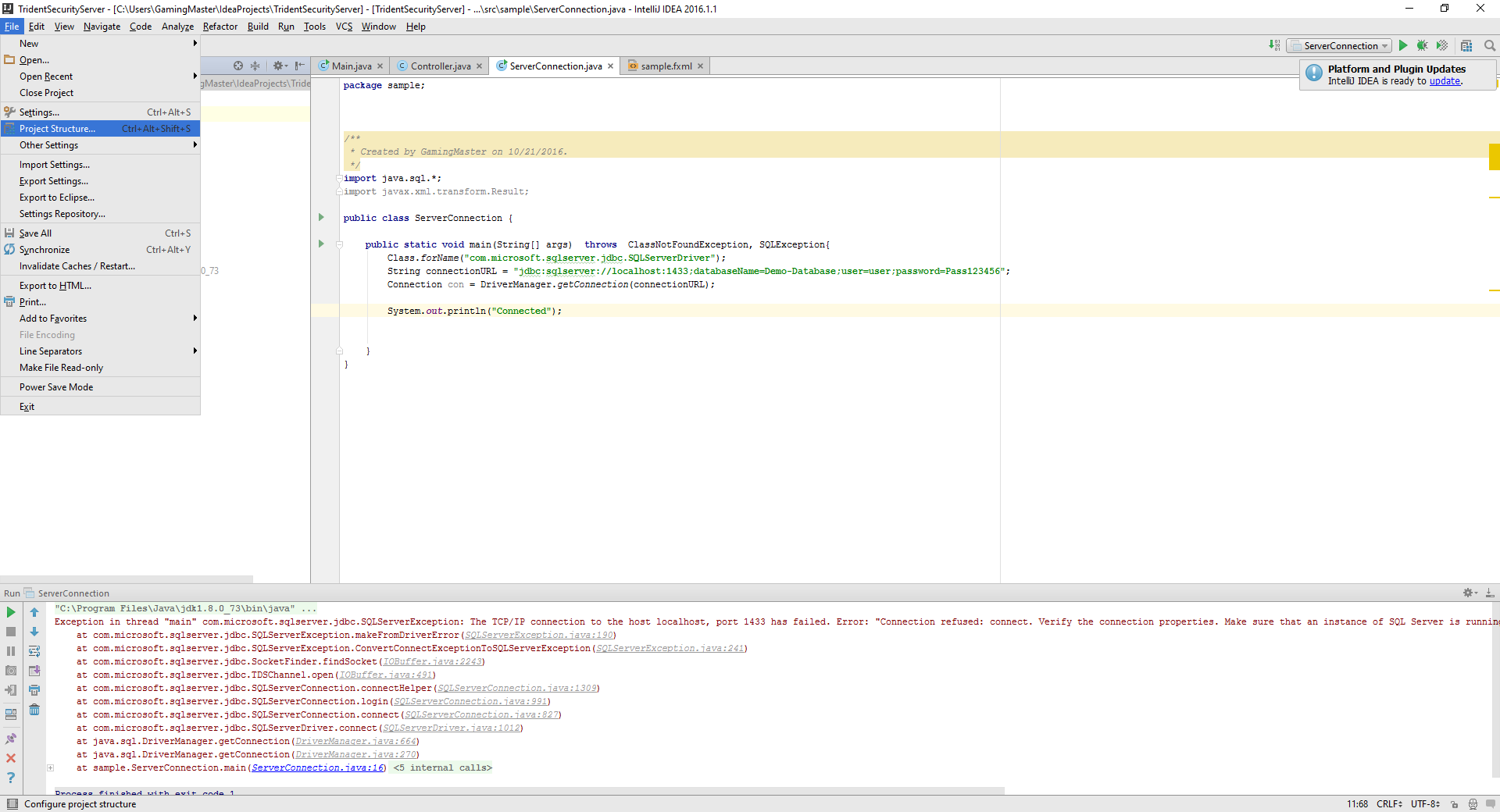


* Open the Libraries Tab Then Add Externals JARS and look for the file and once you finish click apply and ok.

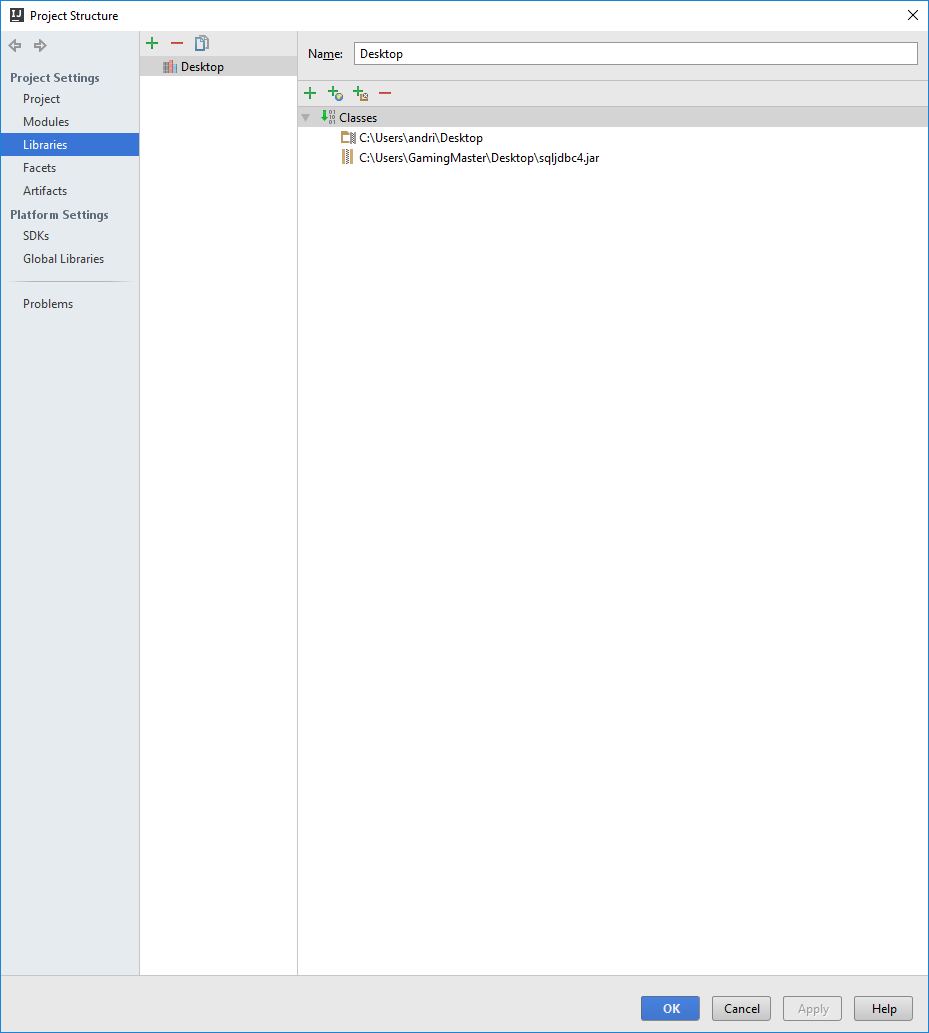


INTELLIJ

* Click on File and then on Project Structure. File -> Structure



* Go to Libraries and click on the + on the right, then find the file and click ok.



1. Now we Need to set our TCP connection. It seems like our Server already has TCP enable so we have to move our program inside the server in order for it to connect. OUR PROGRAM WILL RUN FROM THE REMOTE SERVER.
2. Everything should work now, if you get a cannot connect to database using log in. It means that our login user does not have permissions and we will have to grant him permissions via our database. I am not posting how to do that. I will just do it we need it..