Working with MySQL database in Java

1. Download JDBC connector from the following URL

<https://dev.mysql.com/downloads/connector/j/>

For Windows choose Microsoft Windows

For Mac choose Platform Independent

Download the zip file and extract it in your computer.

1. Create a new Project on IntelliJ
2. Create a class named “DB” and copy the code below.
3. Import the jdbc connector in IntelliJ

File -> Project Structure -> Libraries

Click on **+** sign and choose the jdbc connector jar file downloaded and extracted before.

1. Download MySql and install it.

<https://dev.mysql.com/downloads/mysql/>

1. Restart your computer.
2. Download MySQL Workbench and install it.

<https://dev.mysql.com/downloads/workbench/>

1. Create a new schema (database) named “mydb” in MySQL Workbench.
2. Create a table name “mytable”
3. Create a column “id” int Not Null Auto Increment as a Primary Key
4. Create a column “data” varchar(45) Not Null
5. Make sure your MySql is working before you run the Java code in IntelliJ.
6. Run the main method.

import java.sql.Connection;  
import java.sql.DriverManager;  
import java.sql.ResultSet;  
import java.sql.Statement;  
  
public class DB {  
 public static void main(String[] args) {  
 Connection connection = null;  
 try  
 {  
 Class.*forName*("com.mysql.cj.jdbc.Driver");  
 String jdbcUrl = "jdbc:mysql://localhost:3306/mydb";  
 String userName = "root";  
 String password = "YOUR\_PASSWORD!";  
  
 connection = DriverManager.*getConnection*(jdbcUrl, userName, password);  
 System.*out*.println("Connected!");  
 Statement st = connection.createStatement();  
 String query = "SELECT \* from `mytable`";  
 ResultSet result = st.executeQuery(query);  
 while(result.next()){  
 System.*out*.println("ID: " + result.getInt(1) + "\t" +  
 "DATA: " + result.getString(2));  
 }  
 st.close();  
 connection.close();  
  
 }catch(Exception e){  
 System.*out*.println("Exception: " + e.getMessage());  
 }  
 }  
}