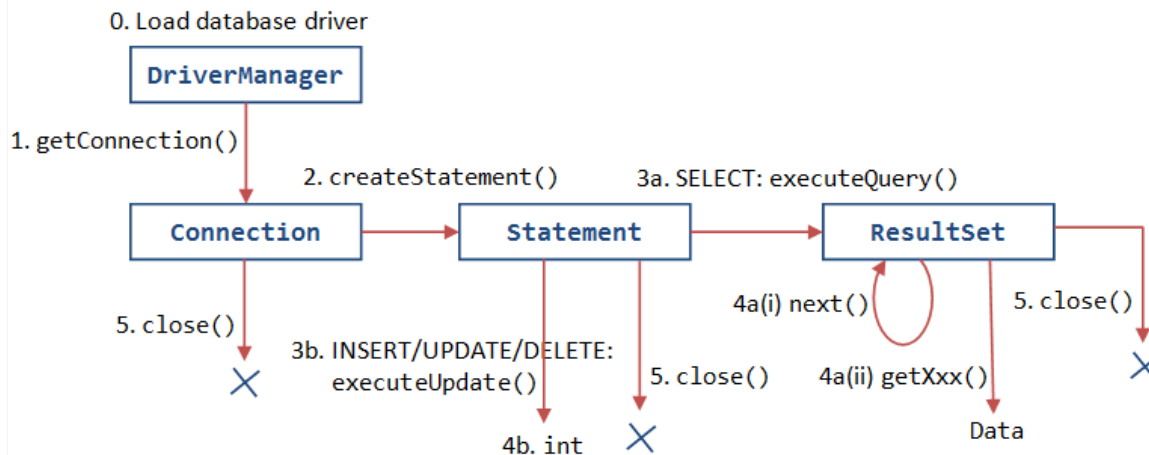


JDBC

Complete JDBC guide



Download MySQL installer from the below link

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

Download JDBC driver for MySQL from the below link

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

Once Driver is downloaded unzip the ZIP-file

Adding MySQL JDBC driver to the java project

1. Right click on your current **project folder**.
2. Select **build path** and click **configure build path**
3. Click on **ClassPath** and click on **Add External JARs...**
4. **Locate Unzipped folder and select**

Java DataBase Connection

JDBC is an API or a tool which will help java application to connect to the any database and execute SQL statements.

Steps to use JDBC

1

REGISTER

Register the driver and load the driver

2

CREATE

Use the Connection object and create Statement

3

EXECUTE

Use the Statement Object and execute SQL query

4

PROCESS

Iterate over the ResultSet using the Cursor to get data for process

5

CLOSE

use the Connection object and close the Database connection

“JDBC Methods”

DriverManager :

getConnection(url, username, password) : try to establish a connection to the database by using the given database URL , username, password for driver from the set of registered JDBC drivers is selected and return the object of Connection. If any problems occur such as wrong url, wrong password, wrong username etc then SQLException will be thrown.

Connection :

createStatement() : this method will create and return a statement object which can be used to execute appropriate execute() methods SQLException will be thrown.