数据库连接

1 步骤总结：

String URL = "jdbc:mysql://localhost/student?serverTimezone=GMT%2B8&amp;useSSL=false";  
String JDBCDriver = "com.mysql.jc.jdbc.Driver";

Class.*forName*(JDBCDriver); *//加载数据库驱动程序*

*connection* = DriverManager.*getConnection*(JDBCDriver, "jjf", "mysqlroot");

2. 代码框架

*package* com.jdbc;

*import* java.sql.\*;  
*public class* TestConnection {  
 *private static final* String JDBC\_DRIVER = "com.mysql.jdbc.Driver"; //驱动器  
 *private static final* String DB\_URL = "jdbc:mysql://localhost/jdbc";  
 *private static final* String USER = "jjf";  
 *private static final* String PSWD = "mysqlroot";  
 *public static void* main(String[] args) {  
 Connection connection = *null*;  
 Statement statement = *null*; //数据库执行语句声明  
 *try* {  
 Class.*forName*(JDBC\_DRIVER); *//注册驱动程序  
 /\*Driver driver = new com.mysql.jdbc.Driver();  
 DriverManager.registerDriver(driver);\*/*

connection = DriverManager.*getConnection*(DB\_URL, USER, PSWD);//三个重载方法  
 *//执行查询* System.out.println("Creating statement...");  
 statement = connection.createStatement();

String sql = "SELECT id, name, age FROM student"; //数据库查询语句  
 ResultSet rs = statement.executeQuery(sql); //java程序提交数据库声明操作,让中间程序执行数据库语句  
 *while*(rs.next()){  
 *//检索  
 int* id = rs.getInt("id"); //返回一条记录中指定字段的值  
 *int* age = rs.getInt("age");  
 String name = rs.getString("name");  
  
 *//显示* System.out.print("ID: " + id);  
 System.out.print(", Age: " + age);  
 System.out.print(", Name: " + name);  
 System.out.println();  
 }  
 *//清理环境* rs.close();  
 statement.close();  
 connection.close();  
  
 } *catch* (ClassNotFoundException e) {  
 System.out.println("ClassNotFondException!");  
 e.printStackTrace();  
 } *catch* (SQLException e) {  
 System.out.println("Connecting had Exception");  
 e.printStackTrace();  
 }*finally*{  
 *//这里一般用来关闭资源的  
 try*{  
 *if*(statement!=*null*)  
 statement.close();  
 }*catch*(SQLException se2){  
 System.out.println("close had Exception in Statement");  
 }  
 *try*{  
 *if*(connection!=*null*)  
 connection.close();  
 }*catch*(SQLException se){  
 System.out.println("close had Exception in Connection");  
 }  
 }  
 System.out.println("Goodbye!");  
 }  
}