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package com.sxt.jdbc;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;

/**
 * 测试事务的基本概念
 * @author DELL
 *
 */
public class Demo06 {
    public static void main(String[] args) {
        PreparedStatement ps1=null;
        PreparedStatement ps2=null;
        Connection conn=null;
        ResultSet rs=null;
        try {
            //1.加载驱动类
            Class.forName("com.mysql.jdbc.Driver");
            //2.创建数据库连接对象

            conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/learn","root","jiang");

            //3.设置手动提交
            conn.setAutoCommit(false); //JDBC中默认是自动提交
            //4.sql语句
            String sql="insert into student values(default,?,18,'男',?,1000)";
            ps1=conn.prepareStatement(sql);
            ps1.setString(1, "胡二晨");
            ps1.setDate(2, new java.sql.Date(System.currentTimeMillis()));
            ps1.execute();
            System.err.println("插入一个用户");

            try {
                Thread.sleep(6000);
            } catch (InterruptedException e) {
                e.printStackTrace();
            }

            ps2=conn.prepareStatement(sql);
            ps2.setString(1, "胡三晨");
            ps2.setDate(2, new java.sql.Date(System.currentTimeMillis()));
            ps2.execute();
            conn.commit();
        } catch (SQLException e) {
            e.printStackTrace();
        }
    }
}

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    } catch (ClassNotFoundException | SQLException e) {
        try {
            conn.rollback(); //回滚
        } catch (SQLException e1) {
            e1.printStackTrace();
        }
        // TODO Auto-generated catch block
        e.printStackTrace();
    } finally {
        try {
            if(ps2!=null) {
                ps2.close();
            }
            if(ps1!=null) {
                ps1.close();
            }
            if(conn!=null) {
                conn.close();
            }
        } catch (SQLException e) {
            // TODO Auto-generated catch block
            e.printStackTrace();
        }
    }
}
}
}

```