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package com.sxt.jdbc;

import java.sql.Connection;
import java.sql.Date;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.text.DateFormat;
import java.text.ParseException;
import java.text.SimpleDateFormat;

/**
 * 测试时间处理(Time,Date,Timestamp),取出指定时间段的数据
 * @author 江
 *
 */

public class Demo08 {
    /**
     * 将字符串代表的日期转为long数字(格式:yyyy-MM-dd hh:mm:ss)
     * @param dateStr
     * @return
     */
    public static long str2Date(String dateStr) {
        DateFormat format=new SimpleDateFormat("yyyy-MM-dd hh:mm:ss");
        try {
            java.util.Date date=format.parse(dateStr);
            return date.getTime();
        } catch (ParseException e) {
            e.printStackTrace();
            return 0;
        }
    }

}

public static void main(String[] args) {
    PreparedStatement ps=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");
    }
}

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//3.设置手动提交
conn.setAutoCommit(false); //JDBC中默认是自动提交

ps=conn.prepareStatement("select * from test where regTime>? and
regTime<?");

Date start=new Date(str2Date("2015-4-10 10:23:45"));
Date end=new Date(str2Date("2019-8-20 10:23:45"));

ps.setObject(1, start);
ps.setObject(2, end);
rs=ps.executeQuery();
conn.commit();
while(rs.next()) {
    System.err.println(rs.getInt("id")+"--"+rs.getString("username")+"--
"+rs.getDate("regTime"));
}

} catch (ClassNotFoundException | SQLException e) {
    try {
        conn.rollback(); //回滚
    } catch (SQLException e1) {
        e1.printStackTrace();
    }
    // TODO Auto-generated catch block
    e.printStackTrace();
}finally {
    try {

        if(ps!=null) {
            ps.close();
        }
        if(conn!=null) {
            conn.close();
        }
    } catch (SQLException e) {
        // TODO Auto-generated catch block
        e.printStackTrace();
    }
}

}
}

```