

```

package com.jiang.Transaction;

import com.jiang.Resource.DataSourceUtil;

import java.sql.Connection;
import java.sql.SQLException;

public class JDBCUtil {
    private static ThreadLocal<Connection> threadLocal=new ThreadLocal<>();

    //获取连接
    public static Connection getConnection(){
        Connection conn=threadLocal.get();

        try {
            if(conn==null){
                conn= DataSourceUtil.getC3P0DataSource().getConnection();
                threadLocal.set(conn);
            }
            return conn;
        } catch (SQLException e) {
            e.printStackTrace();
            return null;
        }
    }

    //开启事务
    public static void beginTransaction(){
        //连接
        Connection conn=getConnection();
        try {
            conn.setAutoCommit(false); //开启事务
        } catch (SQLException e) {
            e.printStackTrace();
        }
    }

    //正常。提交事务
    public static void commitTransaction(){
        //连接
        Connection conn=getConnection();
        //所有的对象方法排空

        try {
            if(conn!=null) {
                conn.commit();
            }
        }
    }
}

```

```
    }  
    } catch (SQLException e) {  
        e.printStackTrace();  
    }  
}
```

```
}
```

//失败, 回滚

```
public static void roolbackTransaction(){
```

```
    //连接
```

```
    Connection conn=getConnection();
```

```
    try {
```

```
        if(conn!=null) {
```

```
            conn.rollback();
```

```
        }
```

```
    } catch (SQLException e) {
```

```
        e.printStackTrace();
```

```
    }
```

```
}
```

//断开连接

```
public static void close(){
```

```
    //连接
```

```
    Connection conn=getConnection();
```

```
    try {
```

```
        if (conn != null) {
```

```
            conn.close();
```

```
            threadLocal.remove();
```

```
        }
```

```
    }catch(Exception e){
```

```
        e.printStackTrace();
```

```
    }
```

```
}
```

```
}
```