动态SQL

1、概要

2、实例

- if标签
 - o StudentMapper类

```
//多条件查询:动态代理
public List<Student> findStuByAll(int id,String sname ,int sage ,String ssex);
```

StudentMapper.xml

o studentTest类

```
@Test

//多条件查询: 动态代理

public void findStuByAllTest(){

    List<Student> studentList = studentMapper.findStuByAll(0,"沛",0,null);
    for (Student str:studentList){

        System.out.println(str);
    }
}
```

- where标签
 - o StudentMapper类
 - StudentMapper.xml

- o studentTest类
- choose标签
 - o StudentMapper类
 - StudentMapper.xml

- o studentTest类
- foreach标签

foreach标签

<foreach>标签用于实现对数组与集合的遍历,对其使用,需要注意:

- collection:表示要遍历的集合类型,例如数组 (array, list)
- open、close、separator为对遍历内容的SQL拼接
- 。 遍历数组

■ StudentMapper类

```
//<mark>多条件查询: 动态代理,数组</mark>
public List<Student> findStudentByInCondition(int[] arr);
```

StudentMapper.xml

■ studentTest类

```
@Test

//多条件查询: 动态代理, 数组

public void findStudentByInConditionTest() {
    List<Student> studentList =
    studentMapper.findStudentByInCondition(new int[]{1,2,3,4,5});
    for (Student str:studentList) {
        System.out.println(str);
    }
}
```

- o 遍历基本类型的List
 - StudentMapper类

```
//<mark>多条件查询: 动态代理,list集合</mark>
public List<Student> findStudentByInCondition(List<Integer> arr);
```

StudentMapper.xml

■ studentTest类

```
@Test
    //多条件查询: 动态代理, list
public void findStudentByInConditionTest(){
    List<Integer> list = new ArrayList<>();
    list.add(1);
    list.add(3);
    list.add(5);
    list.add(7);
    list.add(9);
    List<Student> studentList =
studentMapper.findStudentByInCondition(list);
    for (Student str:studentList){
        System.out.println(str);
    }
}
```

- o 遍历自定义类型的List
 - StudentMapper类

```
//<mark>多条件查询: 动态代理,自定义类型地list</mark>
public List<Student> findStudentByInCondition(List<Student> arr);
```

StudentMapper.xml

■ studentTest类

```
//多条件查询: 动态代理, 自定义类型Student
   public void findStudentByInConditionTest(){
       List<Student> list = new ArrayList<>();
       Student stu1 = new Student();
       stu1.setId(1);
       Student stu2 = new Student();
       stu2.setId(3);
       Student stu3 = new Student();
       stu3.setId(5);
       Student stu4 = new Student();
       stu4.setId(7);
       Student stu5 = new Student();
       stu5.setId(9);
       list.add(stu1);
       list.add(stu2);
       list.add(stu3);
       list.add(stu4);
       list.add(stu5);
      List<Student> studentList =
studentMapper.findStudentByInCondition(list);
       for (Student str:studentList){
           System.out.println(str);
       }
   }
```

• 和

```
<!--sq1片段-->
   <sql id="baseSql">
       select * from stu
   </sq1>
   <!--: 多条件查询:动态代理, 自定义类型-->
   <select id="findStudentByInCondition" resultType="Student">
        <!--包含sq1片段-->
        <include refid="baseSql"></include>
        <where>
           id in
           <foreach collection="list" item="student" open="(" separator=","</pre>
close=")">
                #{student.id}
           </foreach>
       </where>
   </select>
```

- 当当
- 3、高级查询(多表查询)
 - 关联查询: 查询内容涉及具有多个关系的多个表时
 - o 一对多

- 多表链接查询
- 多表单独查询
- 。 多对一
 - 多表链接查询
 - 多表单独查询
- o 多对多
- 延迟加载
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 - o 一级缓存
 - o 二级缓存
 - 验证增删改对二级缓存的影响
 - 二级缓存关闭
 - 级缓存的使用原则
- 4、当当