

说明文档

学号：20561340401

姓名：叶子庆

第一次作业

MyBatis 数据库代码：

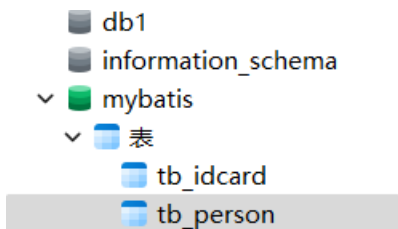
```
use mybatis;
create table tb_idcard (
  id int primary key auto_increment,
  code varchar(18)
);
insert into tb_idcard(code) values ('152221198711020624');
insert into tb_idcard(code) values ('152201199008150317');
create table tb_person (
  id int primary key auto_increment,
  name varchar(32),
  age int,
  sex varchar(8),
  card_id int unique,
  foreign key(card_id) references tb_idcard(id)
);
insert into tb_person(name,age,sex,card_id) values
('Roes',22,'女',1);
insert into tb_person(name,age,sex,card_id) values
('jack',23,'男',2);
```

mybatis

表

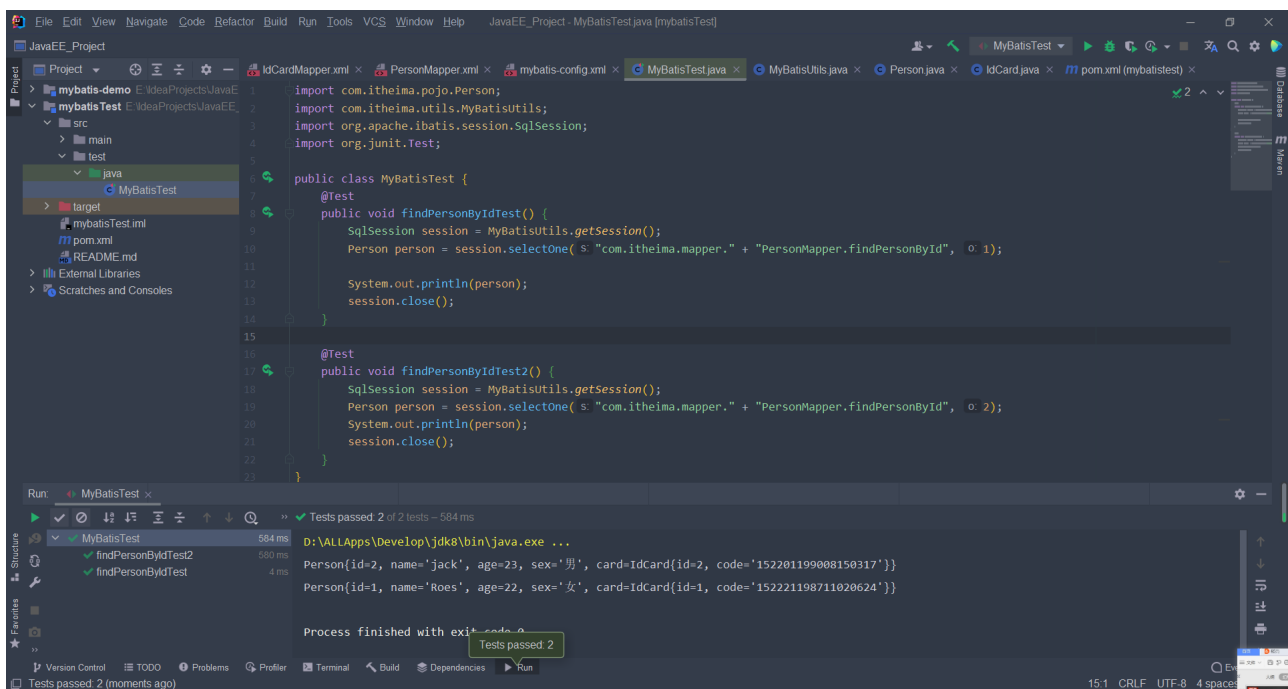
tb_idcard

id	code
1	152221198711020624
2	152201199008150317



开始事务	文本	筛选	排序	导入	导出
id	name	age	sex	card_id	
1	Roes	22	女	1	
2	jack	23	男	2	

查询结果:



第二次作业

mysql部分:

```

use mybatis;

create table tb_user(
    id int(32) primary key auto_increment,
    username varchar(32),
    address varchar(256)
);

```

```
insert into tb_user (id, username, address) values ('1', '小明', '北京');
insert into tb_user (id, username, address) values ('2', '李华', '上海');
insert into tb_user (id, username, address) values ('3', '李刚', '上海');
```

```
create table tb_orders(
    id int(32) primary key auto_increment,
    number varchar(32) NOT NULL,
    user_id int(32) NOT NULL,
    foreign key(user_id) references tb_user(id)
);
```

```
insert into tb_orders values ('1', '1000011', '1');
insert into tb_orders values ('2', '1000012', '1');
insert into tb_orders values ('3', '1000013', '2');
```

```
create table tb_product (
    id int(32) primary key auto_increment,
    name varchar(32),
    price double
);
```

```
insert into tb_product values (id, name, price) ('1', 'Java基础入门', '44.5');
insert into tb_product values (id, name, price) ('2', 'Java web程序开发入门', '38.5');
insert into tb_product values (id, name, price) ('3', 'SSM框架整合实战', '50.0');
```

```
create table tb_ordersitem (
    id int(32) primary key auto_increment,
    orders_id int(32),
    product_id int(32),
    foreign key(orders_id) references tb_orders(id),
    foreign key(product_id) references tb_product(id)
);
```

```
insert into tb_ordersitem (id, orders_id, product_id) values ('1', '1', '1');
```

```
insert into tb_ordersitem (id, orders_id, product_id) values
('2','1','3');
insert into tb_ordersitem (id, orders_id, product_id) values
('3','3','3');
```

表	id	number	user_id
tb_book	1	1000011	1
tb_idcard	2	1000012	1
tb_orders	3	1000013	2

表	id	name	price
tb_book	1	Java基础入门	44.5
tb_idcard	2	Java Web程序开发入门	38.5
tb_orders	3	SSM框架整合实战	50
tb_ordersitem			
tb_person			
tb_product			

表	id	orders_id	product_id
tb_book	1	1	1
tb_idcard	2	1	3
tb_orders	3	3	3
tb_ordersitem			

查询结果展示:

The screenshot shows an IDE with a project named 'mybatisTest'. The 'test' directory contains a 'java' subdirectory with a file 'MyBatisTest.java'. The code in 'MyBatisTest.java' is as follows:

```
/**
 * 一对多
 */
@Test
public void findOrdersTest() {
    SqlSession session = MyBatisUtils.getSession();
    Orders orders = session.selectOne("com.itheima.mapper." + "OrdersMapper.findOrdersWithProduct", 0);
    System.out.println(orders);
    session.close();
}
```

The 'Run' tab shows the execution of 'MyBatisTest.findOrdersTest'. The output is:

```
Tests passed: 1 of 1 test - 547 ms
D:\ALLApps\Develop\jdk8\bin\java.exe ...
Orders(id=1, number='1000011', productList=[Product{id=1, name='Java基础入门', price=44.5}, Product{id=3, name='SSM框架整合实战', price=50.0}])
Process finished with exit code 0
```

The 'Tests passed: 1' status is highlighted in green.

第三次作业

mysql部分:

```
create table tb_orders(  
  id int(32) primary key auto_increment,  
  number varchar(32) NOT NULL,  
  user_id int(32) NOT NULL,  
  foreign key(user_id) references tb_user(id)  
);
```

```
insert into tb_orders values ('1', '1000011', '1');  
insert into tb_orders values ('2', '1000012', '1');  
insert into tb_orders values ('3', '1000013', '2');
```

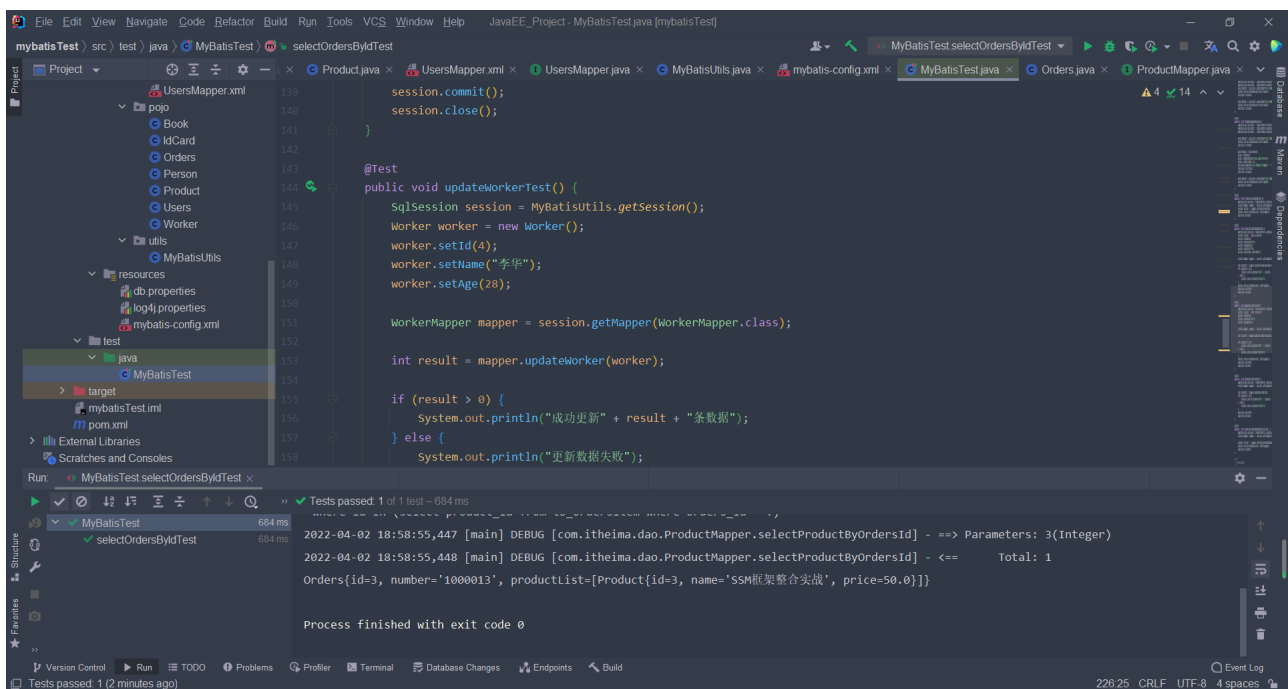
```
create table tb_product (  
  id int(32) primary key auto_increment,  
  name varchar(32),  
  price double  
);
```

```
insert into tb_product values (id, name, price) ('1', 'Java基础入门',  
'44.5');  
insert into tb_product values (id, name, price) ('2', 'Java web程序  
开发入门', '38.5');  
insert into tb_product values (id, name, price) ('3', 'SSM框架整合实  
战', '50.0');
```

表	id	number	user_id
tb_book	1	1000011	1
tb_idcard	2	1000012	1
tb orders	3	1000013	2

表	id	name	price
tb_book	1	Java基础入门	44.5
tb_idcard	2	Java Web程序开发入门	38.5
tb_orders	3	SSM框架整合实战	50
tb_ordersitem			
tb_person			
tb_product			

查询结果:



The screenshot shows an IDE with a project named 'mybatisTest'. The left sidebar displays the project structure, including 'src', 'test', 'resources', and 'target'. The main editor shows the 'MyBatisTest.java' file, which contains a test method 'updateWorkerTest()'. The method uses 'SqlSession' to update a worker and prints the result. The bottom panel shows the 'Run' output, indicating that the test passed successfully. The output log shows the following details:

```
Run: MyBatisTest.selectOrdersByldTest
Tests passed: 1 of 1 test - 684 ms
2022-04-02 18:58:55,447 [main] DEBUG [com.itheima.dao.ProductMapper.selectProductByOrdersId] - ==> Parameters: 3(Integer)
2022-04-02 18:58:55,448 [main] DEBUG [com.itheima.dao.ProductMapper.selectProductByOrdersId] - <== Total: 1
Orders{id=3, number='1000013', productList=[Product{id=3, name='SSM框架整合实战', price=50.0}]}
```

Process finished with exit code 0