第8次平时作业

```
package work8;

/* 异常测试类 A*/
public class ExceptionTestA {
    public static void main(String[] args) {
        int [] nums = new int[4];
        try{
            nums[-1] = 0;
        }
        catch (ArrayIndexOutOfBoundsException exception) {
            System.out.println("the index of array out!");
        }
        finally {
            System.out.println("this is the finally");
        }
        System.out.println("another sentence.");

        /* 编译运行可发现,当对数组下标进行越界访问时,try 块 抛出了越界异常
        * 然后 catch 块 抓取到了异常
        * 最后进入 finally 块
        * 同时,程序因为异常处理,没有中断*/
    }
}
```

```
package work8;

/* 异常测试类 B*/
public class ExceptionTestB {
    public static void main(String[] args) {

        try {
            int temp = 5 / 0;
        }
        catch (ArithmeticException exception) {
            // return;
        }
        finally {
            System.out.println("this is the first finally");
```

```
package work8;

/* 异常测试类 C */
public class ExceptionTestC {
    /* 加入一个类属性 status,
        方便方法构建,进行异常测试*/
    int status;

/* 构造函数*/
public ExceptionTestC(int status) {
        this.status = status;
    }

/* 测试方法,因为在 main 中无法返回值*/
public int getExceptCode(){
```

```
package work8;

import work1.Student;

/* 异常测试类 D*/
public class ExceptionTestD {

   public static void main(String[] args) {

       try{
            newClass myClass = new newClass();
            test = 0;
       }

       catch (NoSuchFieldException checkException1) {
            System.out.println("get checked, no suck a field");
       }

       catch (ClassNotFoundException checkException2) {
```