第 12 次平时作业

```java
package work12;

/* 自我实现线程类*/
public class MyThread extends Thread{
    /* 直接将运算数封装在类中，方便计算*/
    double num1;
    double num2;

    /* 全参构造*/
    public MyThread(double num1, double num2) {
        this.num1 = num1;
        this.num2 = num2;
    }

    /* 加法*/
    private double add(){
        return this.num1 + this.num2;
    }

    /* 减法*/
    private double subtract(){
        return this.num1 - this.num2;
    }

    /* 乘法*/
    private double multiply(){
        return this.num1 * this.num2;
    }

    /* 重写 Tread 类的 run()方法*/
    @Override
    public void run() {
        System.out.println("now, get into a new thread and have some operations");
        System.out.println("add: "+this.add());
        try {
            /* 调用 sleep()方法时可能造成线程阻断
            * 加上 catch 捕获异常*/
            System.out.println("have a sleep for 2000ms");
            Thread.sleep(2000);
```

```java
            System.out.println("subtract: "+this.subtract());
            System.out.println("another sleep for 1500ms");
            Thread.sleep(1500);
            System.out.println("multiply: "+this.multiply());
        }
        catch (InterruptedException e){
            System.out.println(e+" stop.");
        }
    }
}
```

```java
package work12;

/* 线程实现测试类
 * 直接在 main 中测试*/
public class TreadTest {
    public static void main(String[] args) {
        /* 新建线程。运行*/
        MyThread myThread = new MyThread(20.03,12.22);
        myThread.start();
    }
}
```