# 第12次平时作业

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);  
 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.");  
 }  
 }  
}

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();  
 }  
}