Lab 06 Assignment

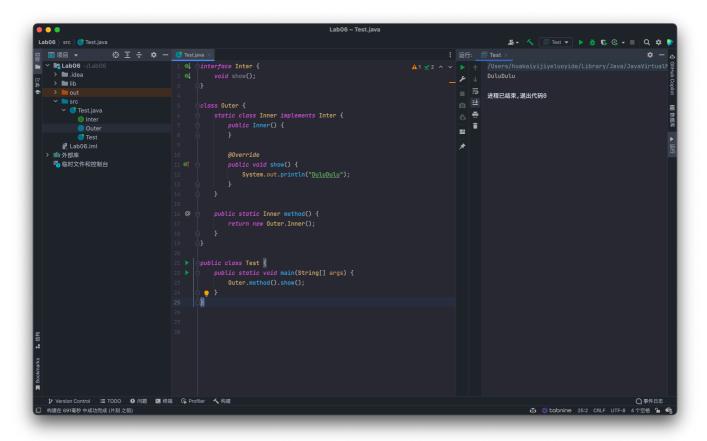
```
班级: 202111
学号: 19241027
姓名: 胡峻诚
```

Question01 InnerClass1 代码填空

```
class Outer {
1
        public int num = 10;
 2
3
 4
        class Inner {
            public int num = 20;
7
            public void show() {
 8
                int num = 30;
9
                System.out.println(num);
                System.out.println(this.num);
10
                System.out.println(Outer.this.num);
11
12
            }
        }
13
14
    }
15
    public class Test {
16
17
        public static void main(String[] args) {
            Outer.Inner oi = new Outer().new Inner();
18
            oi.show();
19
        }
20
21 }
```

Question02 InnerClass2 代码填空

```
1
    interface Inter {
 2
        void show();
 3
 4
 5
    class Outer {
 6
        static class Inner implements Inter {
7
             public Inner() {
             }
8
9
            @Override
10
            public void show() {
11
12
                 System.out.println("DuluDulu");
13
            }
        }
14
15
        public static Inner method() {
16
17
             return new Outer.Inner();
18
        }
19
    }
20
21
    public class Test {
        public static void main(String[] args) {
22
```



Question03 匿名类的 ShapeFactory 编程题 | 旧题

```
$\blacktright\square\ \blacktright\ \black
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         $ - 6
 ✓ II= Lab05 ~/La
                      idea .idea
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Rectangle: 144.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ₹ Rhombus: 144.0
                                    IShapeFactory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ==
                                  © Rhombus
© RhombusFactory
                                  ShapeShapeFactoriesTest
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Rhombus: 144.0
                      Lab05.iml
> IIII 外部库
                                                                                                                                                                                                                                                                     int a = scanner.nextInt();
int b = scanner.nextInt();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               进程已结束,退出代码0
                                                                                                                                                                                                                                                                                                              RectangleFactory.getFactory(),
RhombusFactory.getFactory(),
                                                                                                                                                                                                                                                                                                               RectangleFactory.getFactory(),
RhombusFactory.getFactory(),
                                                                                                                                                                                                                                                                                             System.out.println(shape.getClass().getName() + ": " + shape.calcArea());
   ▶ Version Control III TODO \varTheta 问题 🕟 Profiler 🗵 终端 🔨 构建
```

Question04 ShapeSequence 编程题

```
# ▼ < Test ▼ ▶ # C ? ▼ ■ Q # •
  ■項目 ▼ ② 王 축 ー ejava × ③ Testjava × ③ Rectanglejava × ⑤ Ellipsejava × ⑤ ShapeSequencejava × ▼ : 运行: □ Test × ▼ Malaboo - /Laboo 6
                                                                                                                                                                          /Users/huakaiyijiyeluoyide/Library/Java/JavaVirtualMachines/op
[Rectangle,Rhombus,Ellipse,Rectangle,Rhombus,Ellipse,]
     > ■ .idea
> ■ lib
                                                                                                                                                              isEnd? true
equals? false
                                                                     ShapeSequence a = new ShapeSequence( size: 6);
a.add(new Rectangle( a: 12, b: 12));
a.add(new Rhombus( a: 12, b: 12));
a.add(new Ellipse( a: 12, b: 12));
a.add(new Rectangle( a: 12, b: 12));
a.add(new Rectangle( a: 18, b: 18));
                                                                                                                                                               equals? true
                                                                                                                                                              isEnd? true
                                                                     a.add(new Rhombus( a: 10, b: 10));
a.add(new Ellipse( a: 10, b: 10));
                                                                                                                                                                           进程已结束,退出代码0

    Lab06.iml
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      % 临时文件和控制台
                                                                      ShapeSequence.Iterator it = a.iterator();
System.out.println("current? " + it.current());
                                                                                                                                                                                                              局 D tobnine 33:57 LF UTF-8 4个空格 1 €
   构建在 1秒402毫秒 中成功完成 (1 分钟 之前)
```