



Guidebook For ISSTA 2019

Test Competition

Contens


1. Registration

2. Practice Process



Registration

1. Enter the website(www.moocetest.net) and click register



The image shows the MOOCTEST login and registration interface. At the top is the MOOCTEST logo, which is a stylized blue 'm' with eyes and a smile. Below the logo is the text 'MOOCTEST'. There are two input fields: the first contains the email address 'allenzhao1992@126.com', and the second contains a masked password '.....'. Below the password field are two links: 'forget password' and 'register'. The 'register' link is highlighted with a red rectangular box. Below these links is a blue 'Login' button. At the bottom, there are two options for login: '合作网站登录:' followed by a WeChat icon, and '[SMS login]'.

2. Fill in your real name and email to complete registration



The image shows a registration form for MOOCTEST. At the top is a blue logo of a stylized face with large eyes. Below the logo is the text "MOOCTEST". The form contains four input fields: "姓名" (Name), "邮箱" (Email), "密码" (Password), and "确认密码" (Confirm Password). A red rectangle highlights the "姓名" and "邮箱" fields. Below these fields is a link that says "已有账号, 立即登录" (Already have an account, log in immediately). At the bottom is a blue button labeled "注册" (Register), which is also highlighted by a red rectangle.

MOOCTEST

姓名

邮箱

密码

确认密码

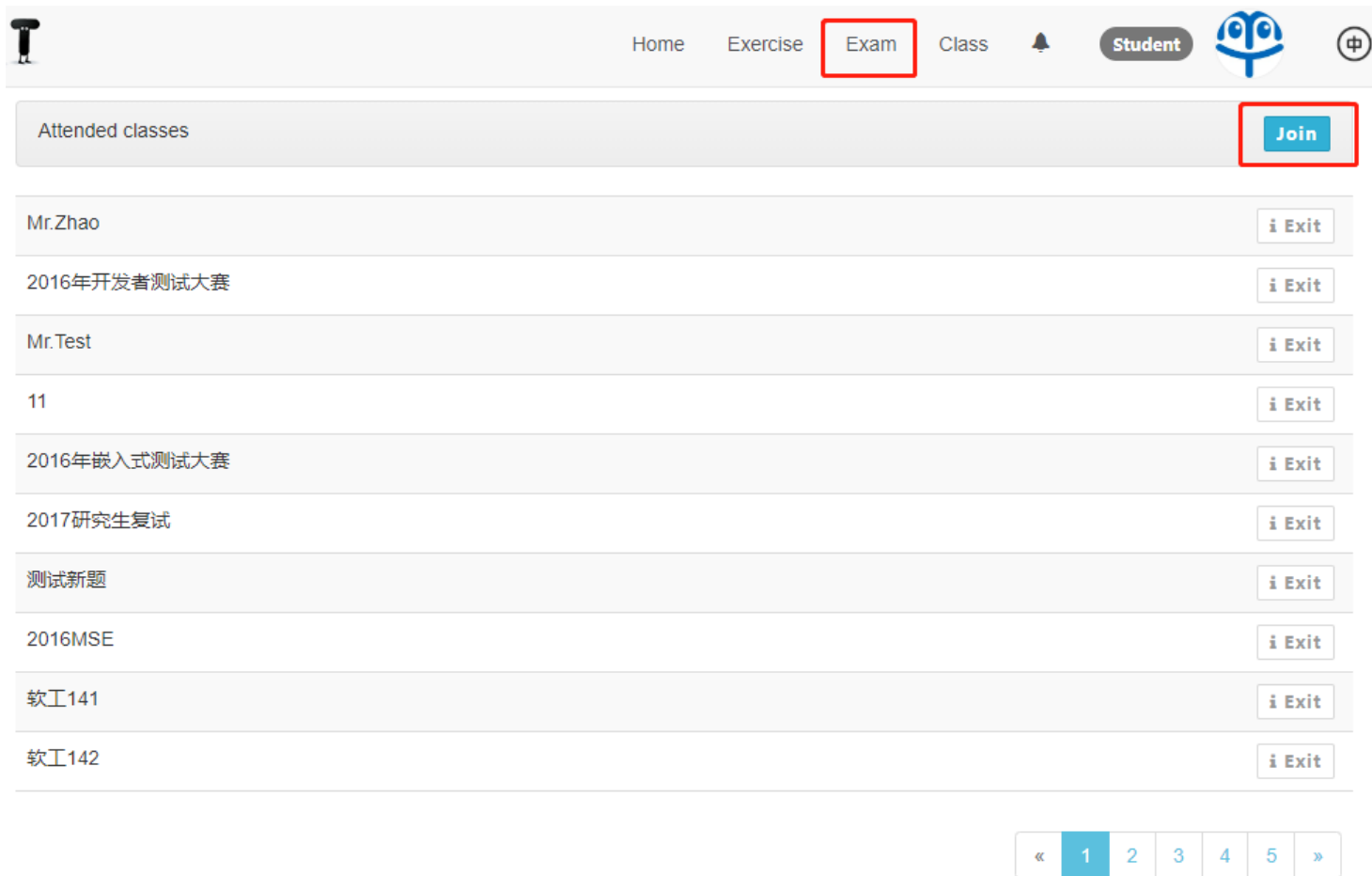
[已有账号, 立即登录](#)




注册













Practice Process

1.Click Button “Join” in Page “Exam”



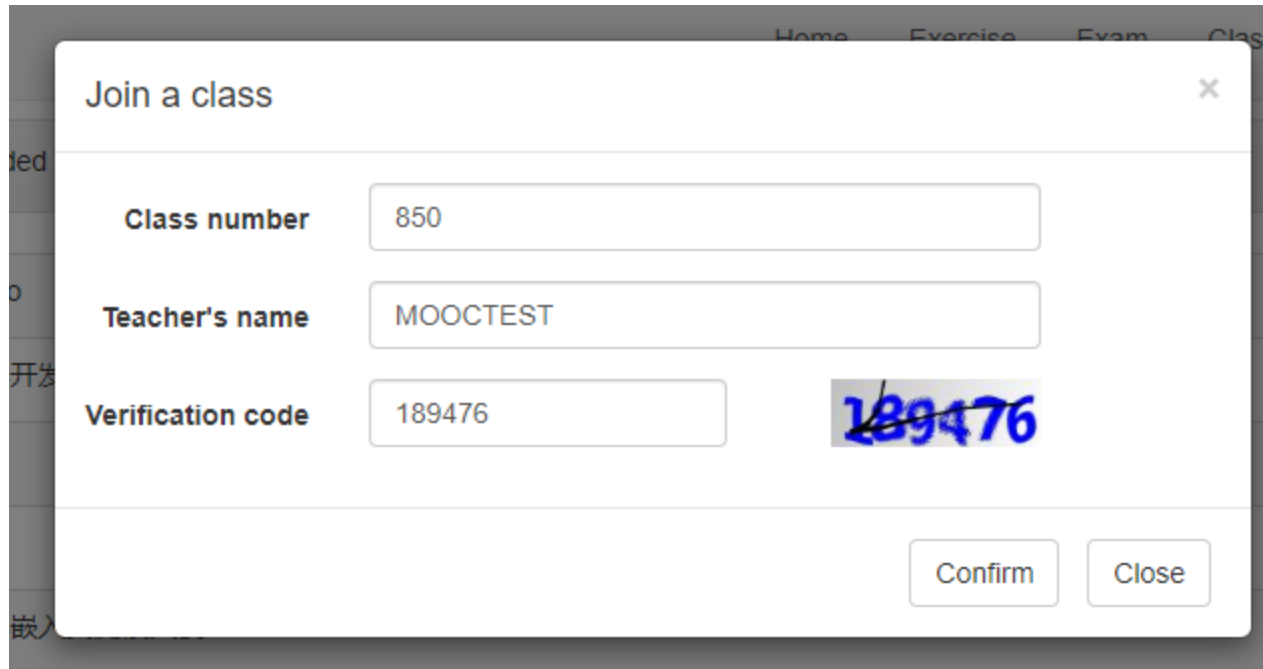
Home Exercise **Exam** Class  **Student**  

Attended classes **Join**

Mr.Zhao	 Exit
2016年开发者测试大赛	 Exit
Mr.Test	 Exit
11	 Exit
2016年嵌入式测试大赛	 Exit
2017研究生复试	 Exit
测试新题	 Exit
2016MSE	 Exit
软工141	 Exit
软工142	 Exit

« 1 2 3 4 5 »

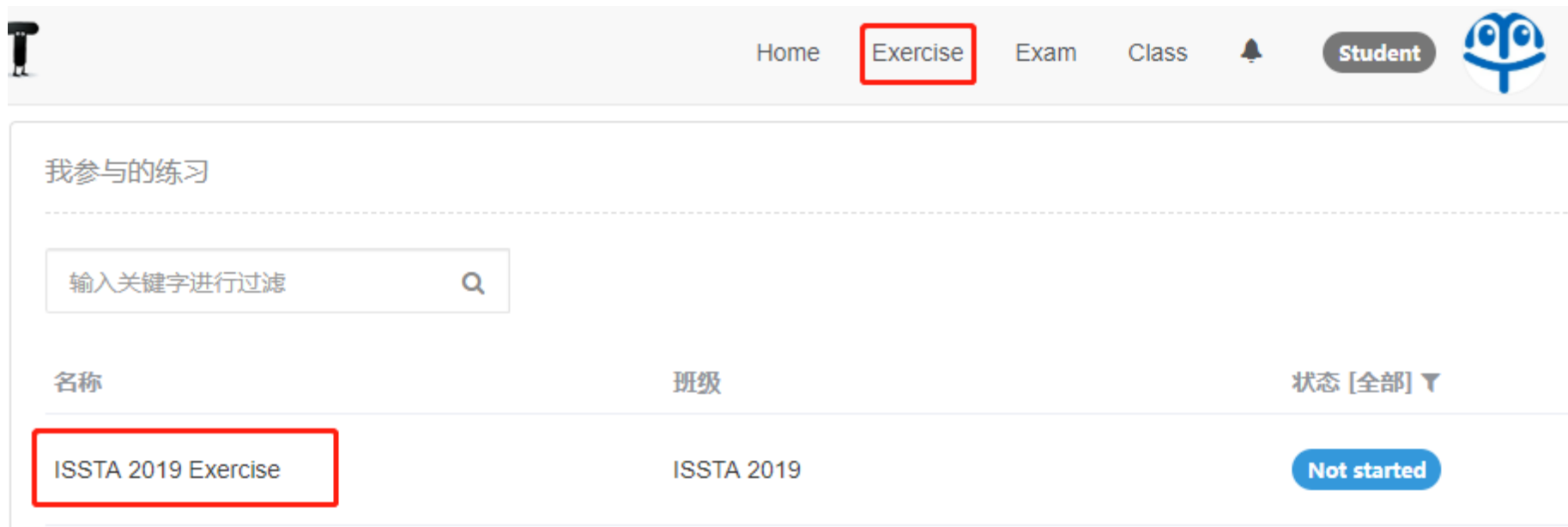
2. Enter Class number: 850, Teacher's name: MOOCTEST





The image shows a 'Join a class' dialog box with a close button (X) in the top right corner. It contains three input fields: 'Class number' with the value '850', 'Teacher's name' with the value 'MOOCTEST', and 'Verification code' with the value '189476'. To the right of the 'Verification code' field, there is a blue, stylized, and crossed-out version of the number '189476'. At the bottom right, there are two buttons: 'Confirm' and 'Close'.


Field	Value
Class number	850
Teacher's name	MOOCTEST
Verification code	189476

3. Click “ISSTA 2019 Exercise” in Page “Exercise”



Home Exercise Exam Class  Student 

我参与的练习

输入关键字进行过滤 

名称	班级	状态 [全部] ▼
ISSTA 2019 Exercise	ISSTA 2019	Not started

4.Click Button “Online IDE”

Examination Details

Exam name Exercise **In progress**

Duration 2019-04-01 00:00 - 2019-04-21 00:00

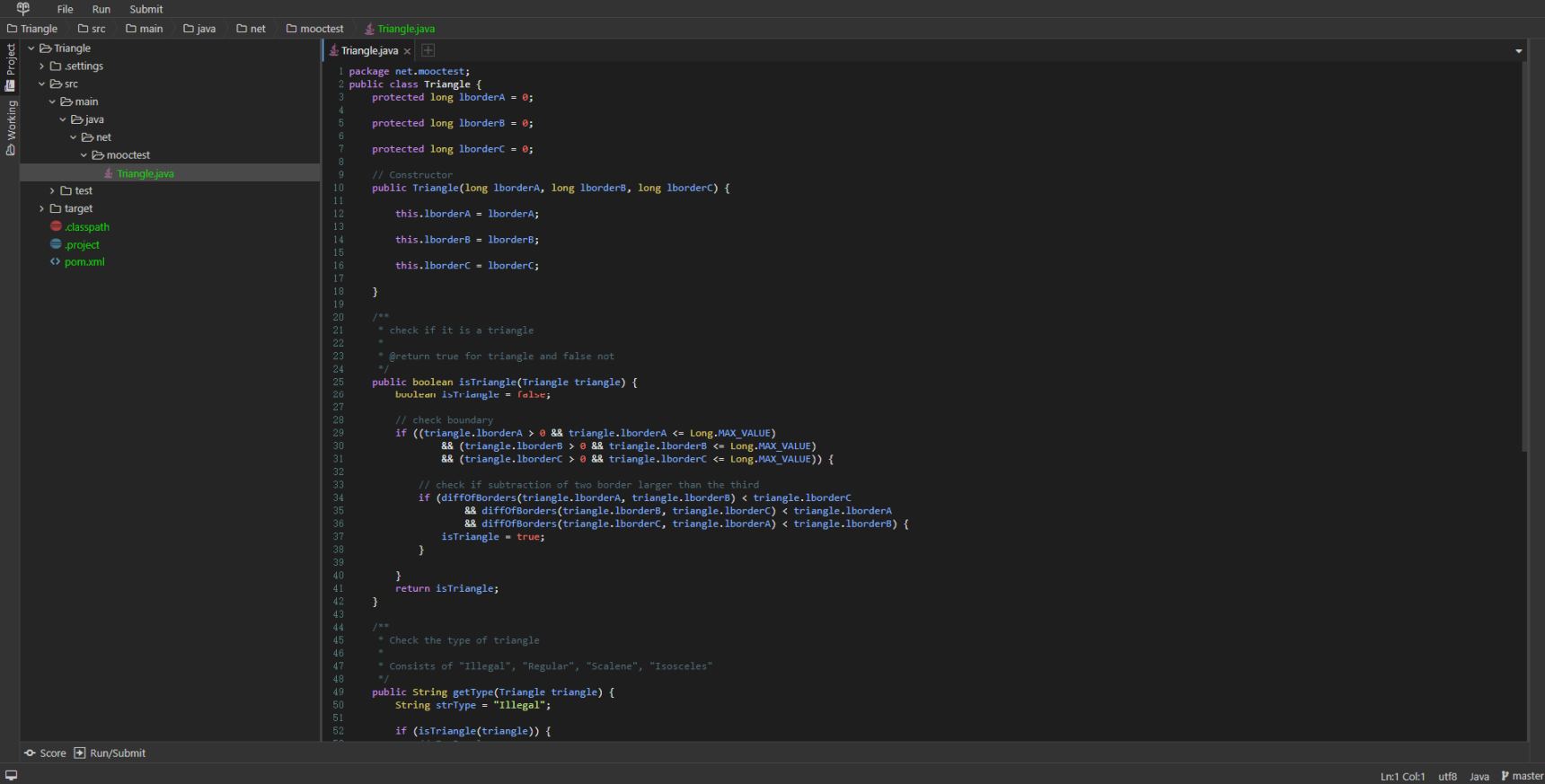
Paper name 2019ICST Exercise

The proposition MOOCTEST

Difficulty ☆☆☆☆☆

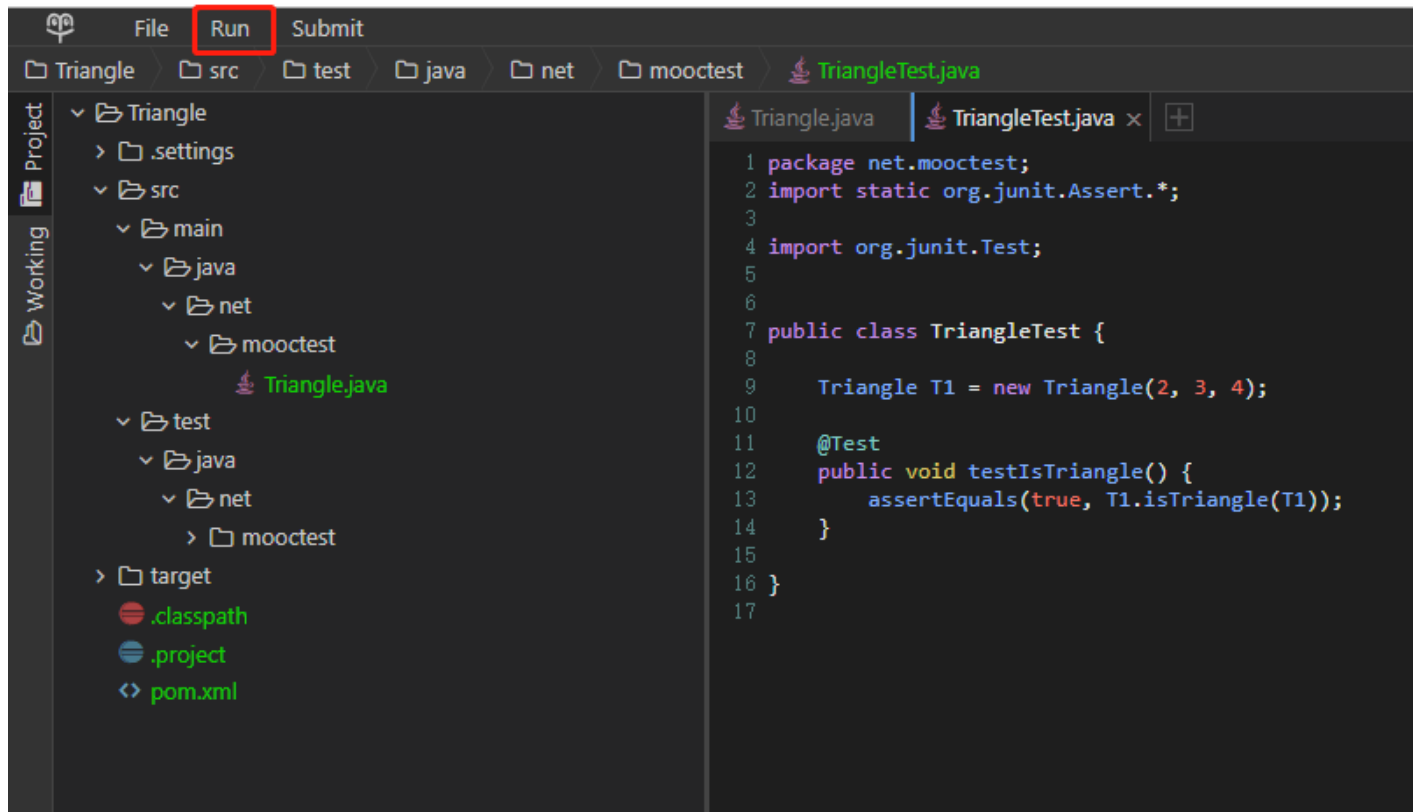
Questions		Score proportion	Scoring rules
> 1.Triangle	Online IDE	50%	mutation 50% branch 50%
> 2.BinaryHeap	Online IDE	50%	mutation 50% branch 50%

5. Jump to WEB IDE

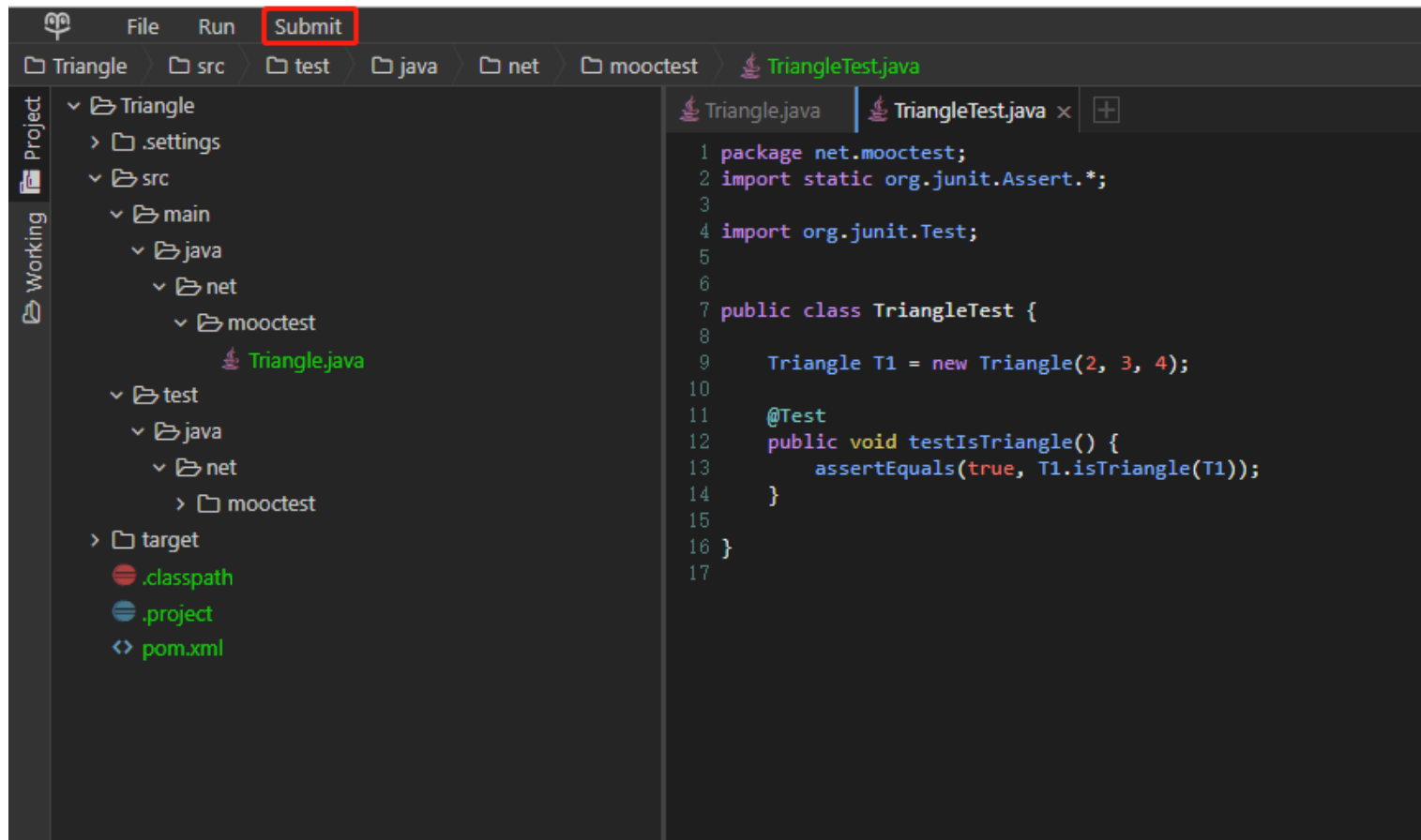


```
1 package net.mooctest;
2 public class Triangle {
3     protected long lborderA = 0;
4
5     protected long lborderB = 0;
6
7     protected long lborderC = 0;
8
9     // Constructor
10    public Triangle(long lborderA, long lborderB, long lborderC) {
11        this.lborderA = lborderA;
12        this.lborderB = lborderB;
13        this.lborderC = lborderC;
14    }
15
16    /**
17     * check if it is a triangle
18     * @return true for triangle and false not
19     */
20    public boolean isTriangle(Triangle triangle) {
21        boolean isTriangle = false;
22
23        // check boundary
24        if ((triangle.lborderA > 0 && triangle.lborderA <= Long.MAX_VALUE)
25            && (triangle.lborderB > 0 && triangle.lborderB <= Long.MAX_VALUE)
26            && (triangle.lborderC > 0 && triangle.lborderC <= Long.MAX_VALUE)) {
27
28            // check if subtraction of two border larger than the third
29            if (diffOfBorders(triangle.lborderA, triangle.lborderB) < triangle.lborderC
30                && diffOfBorders(triangle.lborderB, triangle.lborderC) < triangle.lborderA
31                && diffOfBorders(triangle.lborderC, triangle.lborderA) < triangle.lborderB) {
32                isTriangle = true;
33            }
34        }
35        return isTriangle;
36    }
37
38    /**
39     * Check the type of triangle
40     * Consists of "Illegal", "Regular", "Scalene", "Isosceles"
41     */
42    public String getType(Triangle triangle) {
43        String strType = "Illegal";
44
45        if (isTriangle(triangle)) {
```

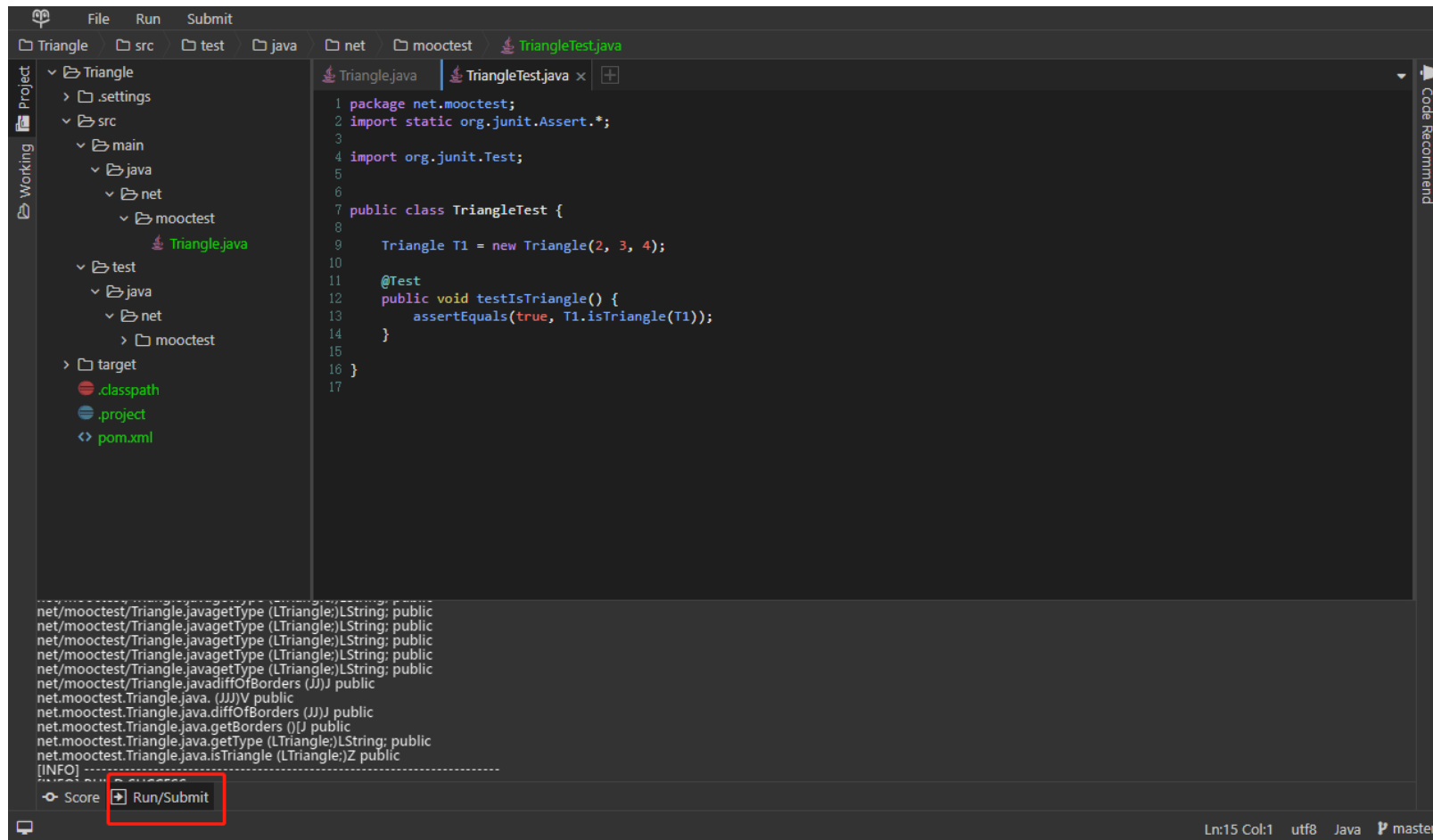
6. Click Button “Run” to run on the server



7. Click Button “Submit” to submit to the server



8. Click “Run/Submit” to view the log



9. Click “Score” to view the score

