



# Guidebook For QRS 2019

## Test Competition

# Contens

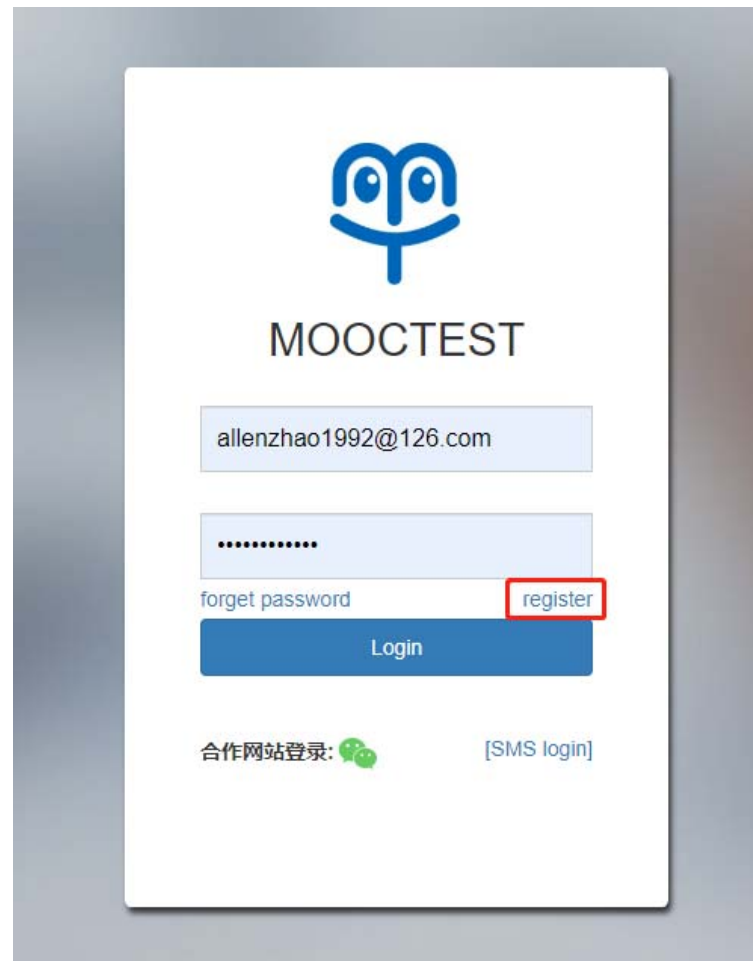
1. Registration

2. Practice Process



# Registration

1. Enter the website( [www.moocetest.net](http://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 '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 green 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 with a red rectangle.

MOOCTEST

姓名

邮箱

密码

确认密码

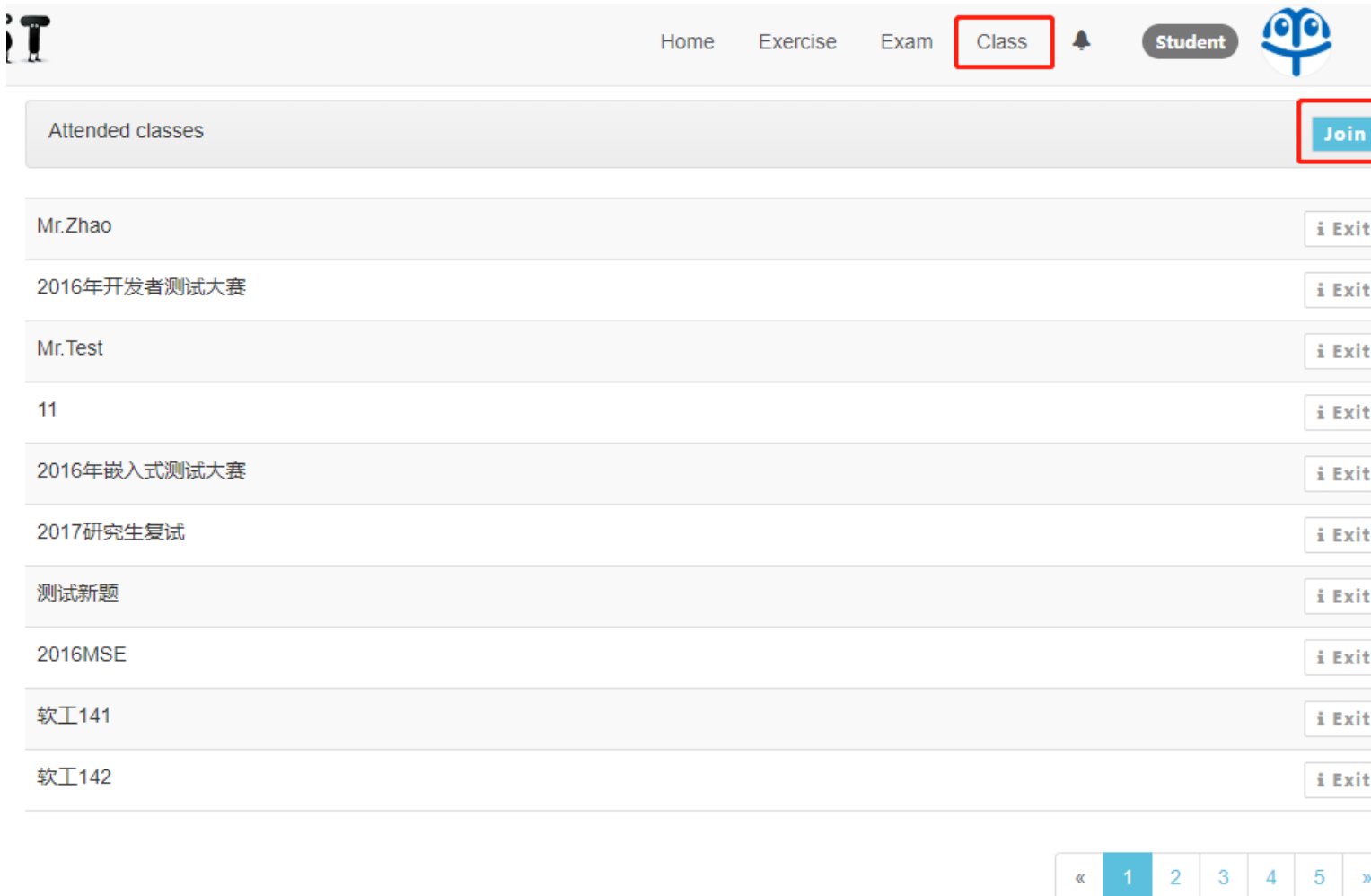
[已有账号, 立即登录](#)

注册



# Practice Process

# 1. Click Button “Join” in Page “Class”

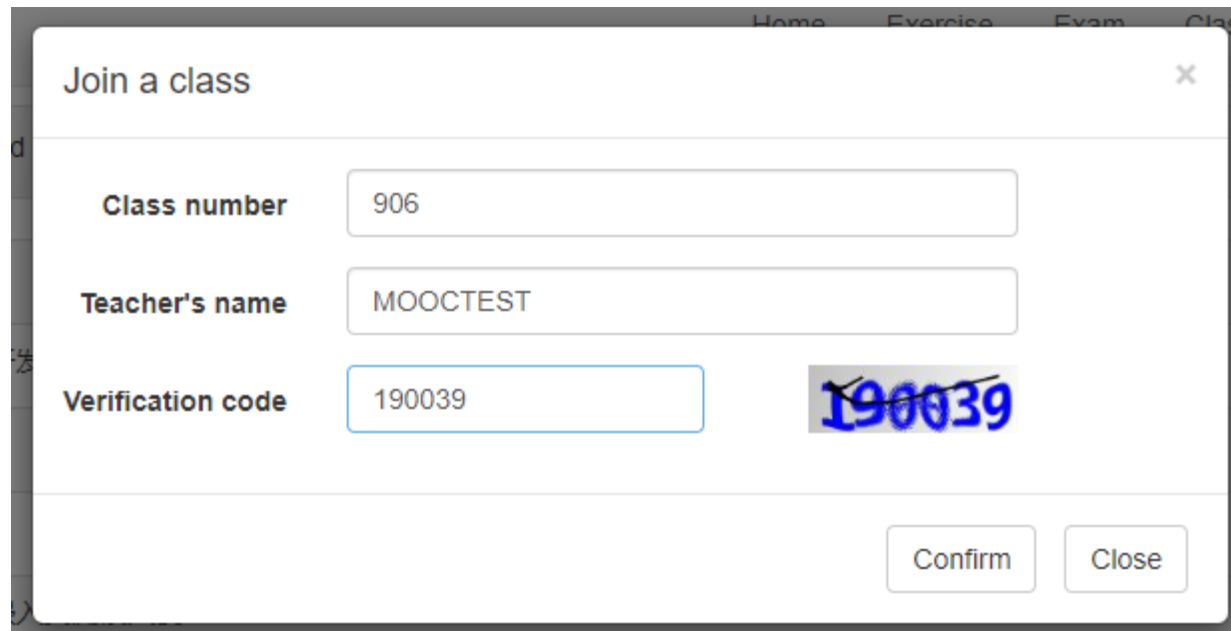


The screenshot shows a web application interface. At the top, there is a navigation bar with links: Home, Exercise, Exam, and Class. The 'Class' link is highlighted with a red box. To the right of the navigation bar, there is a bell icon, a 'Student' button, and a user profile icon. Below the navigation bar, there is a section titled 'Attended classes'. To the right of this section, there is a 'Join' button, which is also highlighted with a red box. Below the 'Attended classes' section, there is a list of classes, each with an 'Exit' button. The classes listed are: Mr.Zhao, 2016年开发者测试大赛, Mr.Test, 11, 2016年嵌入式测试大赛, 2017研究生复试, 测试新题, 2016MSE, 软工141, and 软工142. At the bottom right, there is a pagination control showing the current page (1) and the total number of pages (5).

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

« 1 2 3 4 5 »

2. Enter Class number: 906, 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 '906', 'Teacher's name' with the value 'MOOCTEST', and 'Verification code' with the value '190039'. To the right of the verification code field is a small image of a blue '190039' with a checkmark. At the bottom right are 'Confirm' and 'Close' buttons.

Field	Value
Class number	906
Teacher's name	MOOCTEST
Verification code	190039





### 3. Click “QRS 2019 Exercise” in Page “Exercise”



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

Tests I Participated

Enter keywords to filter 

Name	Class	Status [All] 
QRS 2019 Exercise	QRS 2019	<b>In progress</b>

## 4.Click Button “Online IDE”

### Examination Details

Exam name      QRS 2019 Exercise      **In progress**

Duration          2019-07-06 21:00 - 2019-07-20 12:00

Platform          Mootest platform

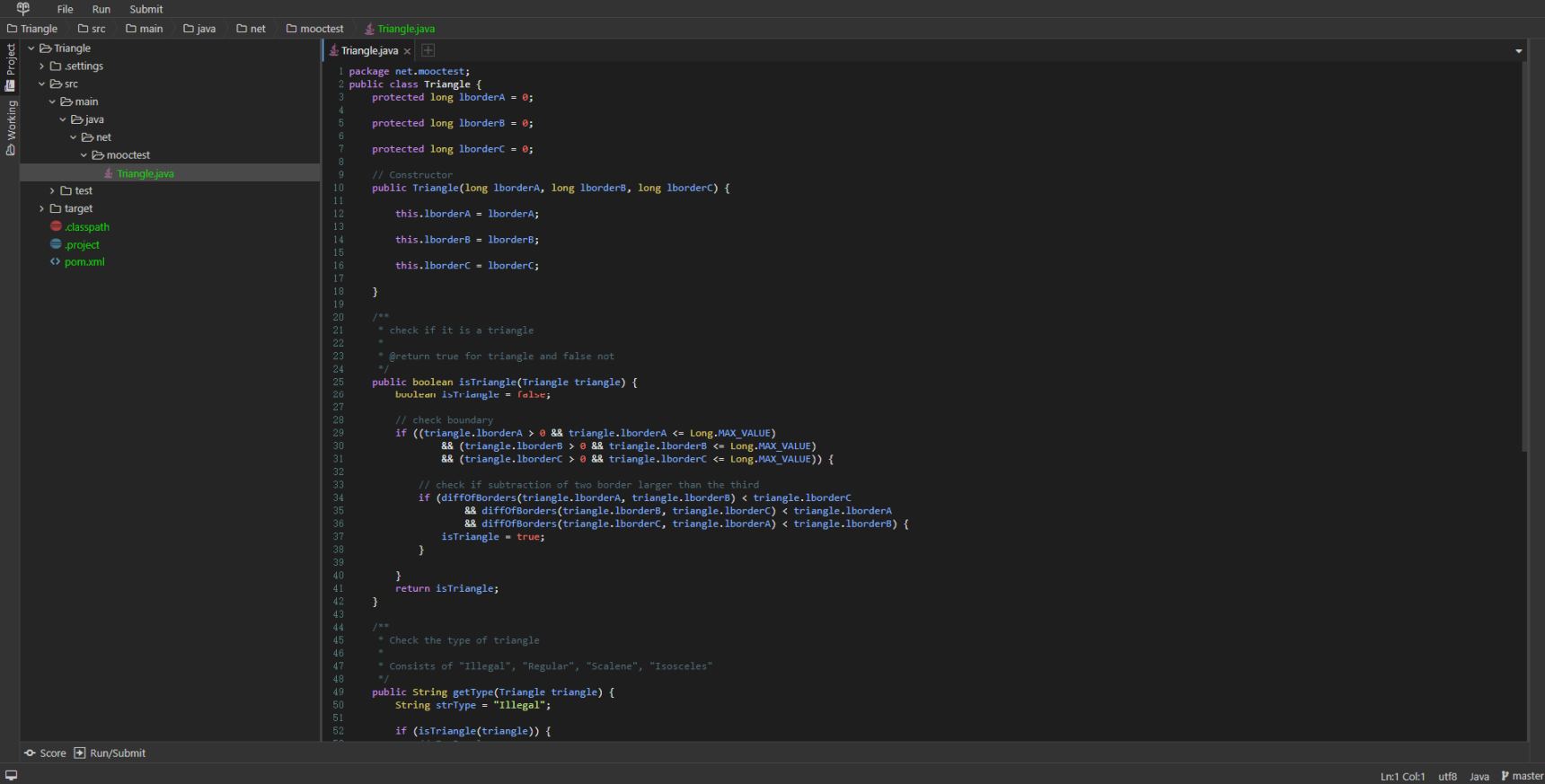
Paper name      QRS 2019 Exercise

The proposition   MOOCTEST

Difficulty          ☆☆☆☆☆

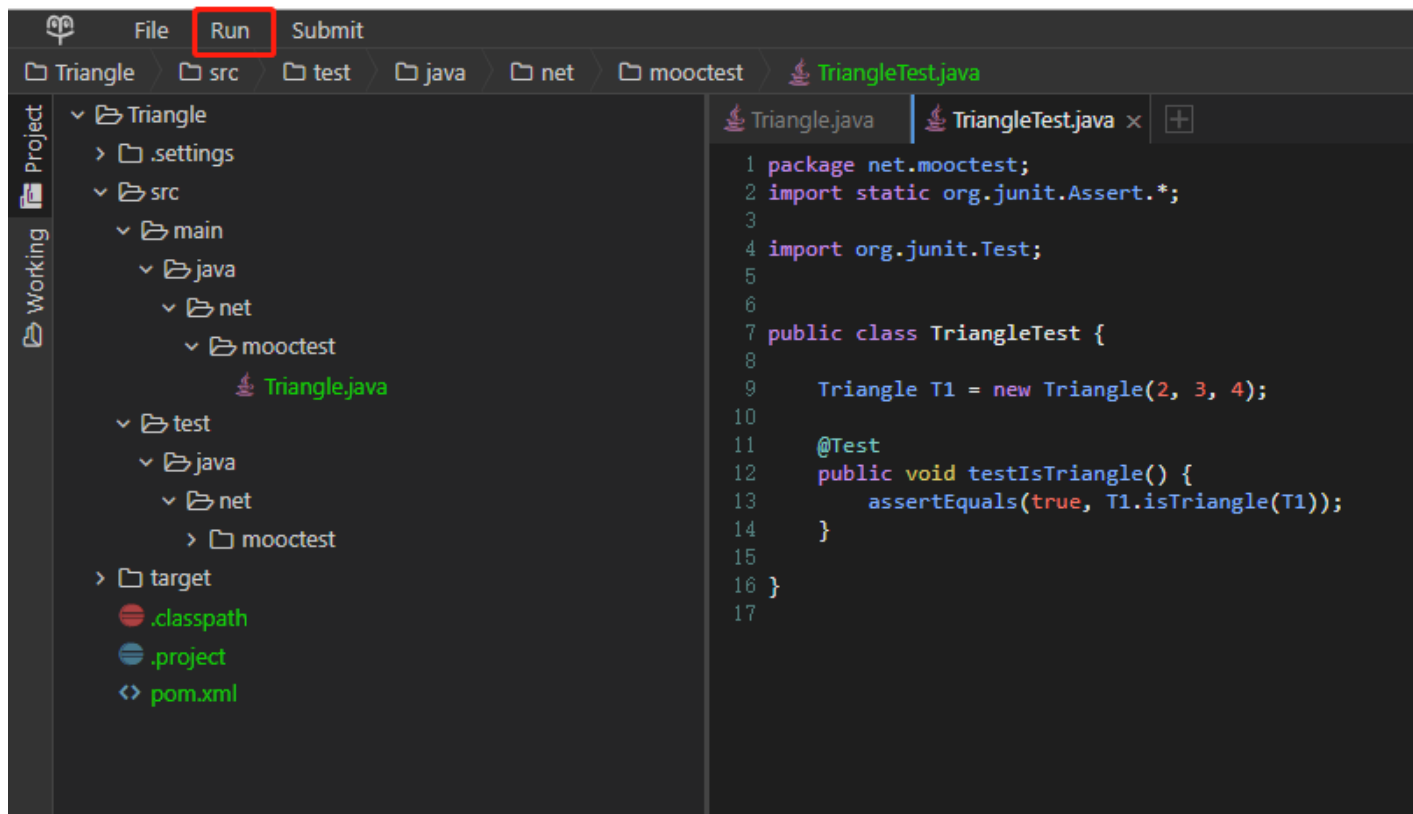
Questions		Score proportion	Scoring rules
> 1.Triangle	<a href="#">Online IDE</a>	50%	
> 2.Nextday	<a href="#">Online IDE</a>	50%	branch 100%

# 5.Jump to WEB IDE

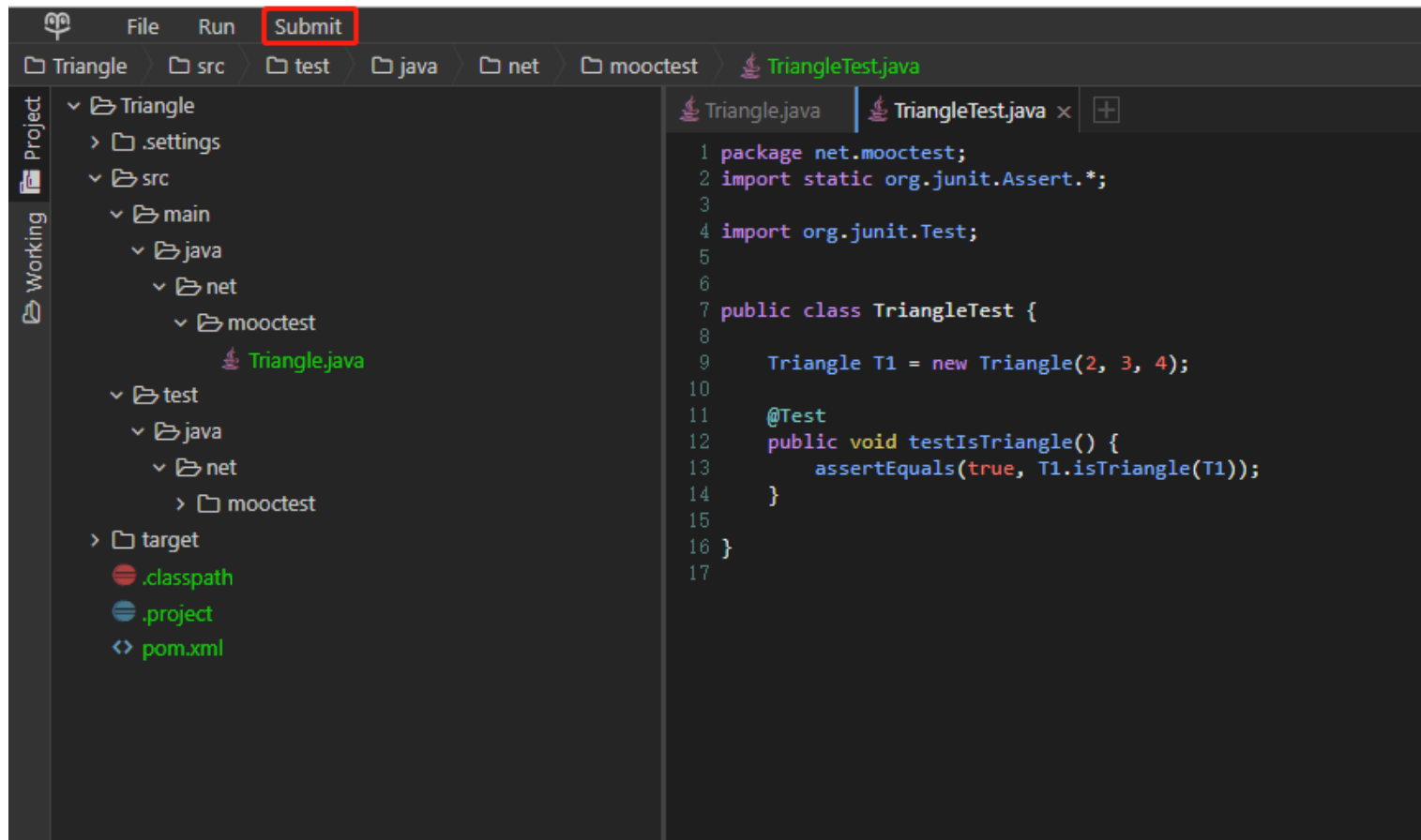


```
1 package net.mooctest;
2 public class Triangle {
3     protected long lborderA = 0;
4     protected long lborderB = 0;
5     protected long lborderC = 0;
6
7     // Constructor
8     public Triangle(long lborderA, long lborderB, long lborderC) {
9         this.lborderA = lborderA;
10        this.lborderB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

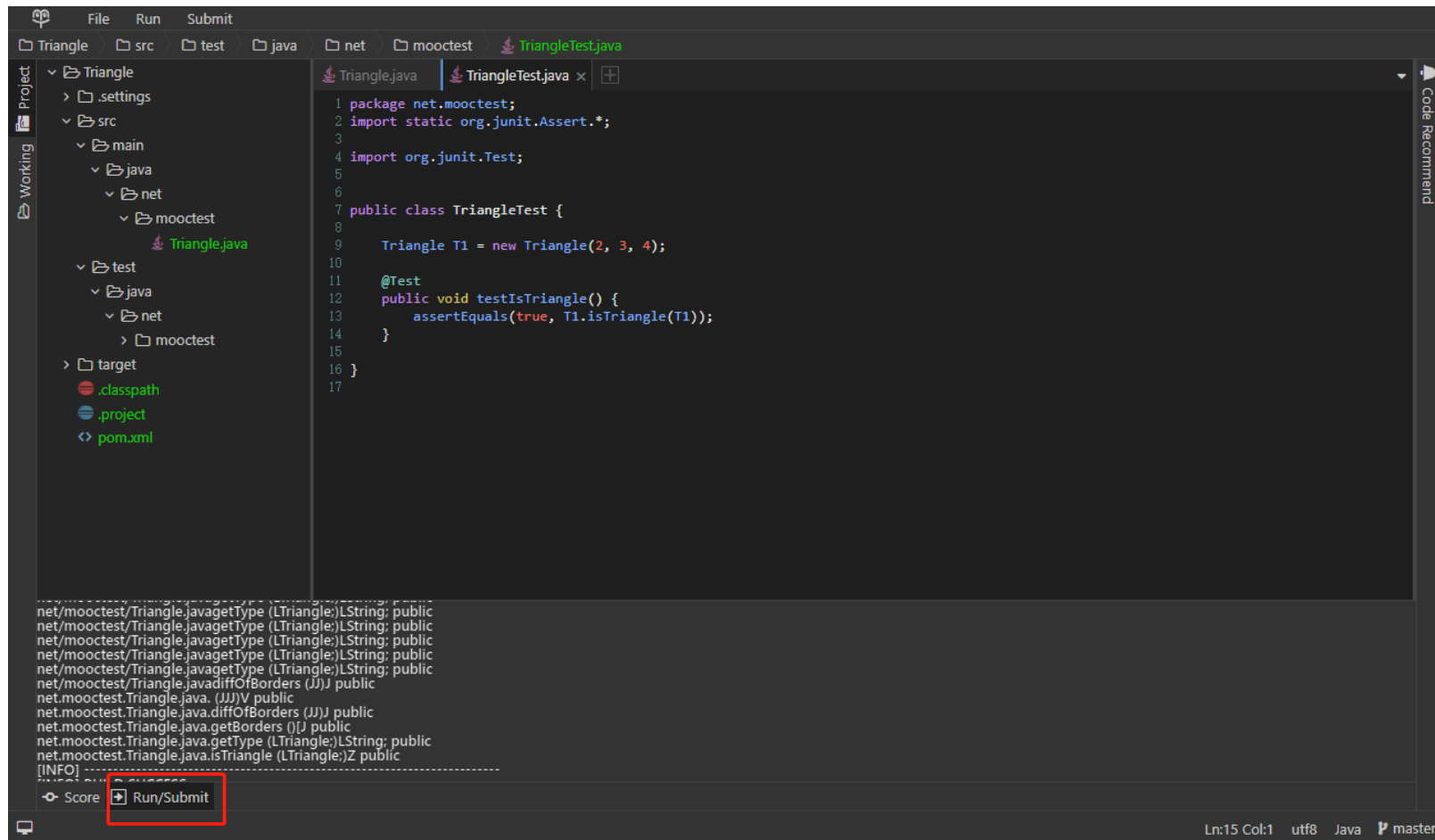
## 6. Click Button “Run” to run on the server



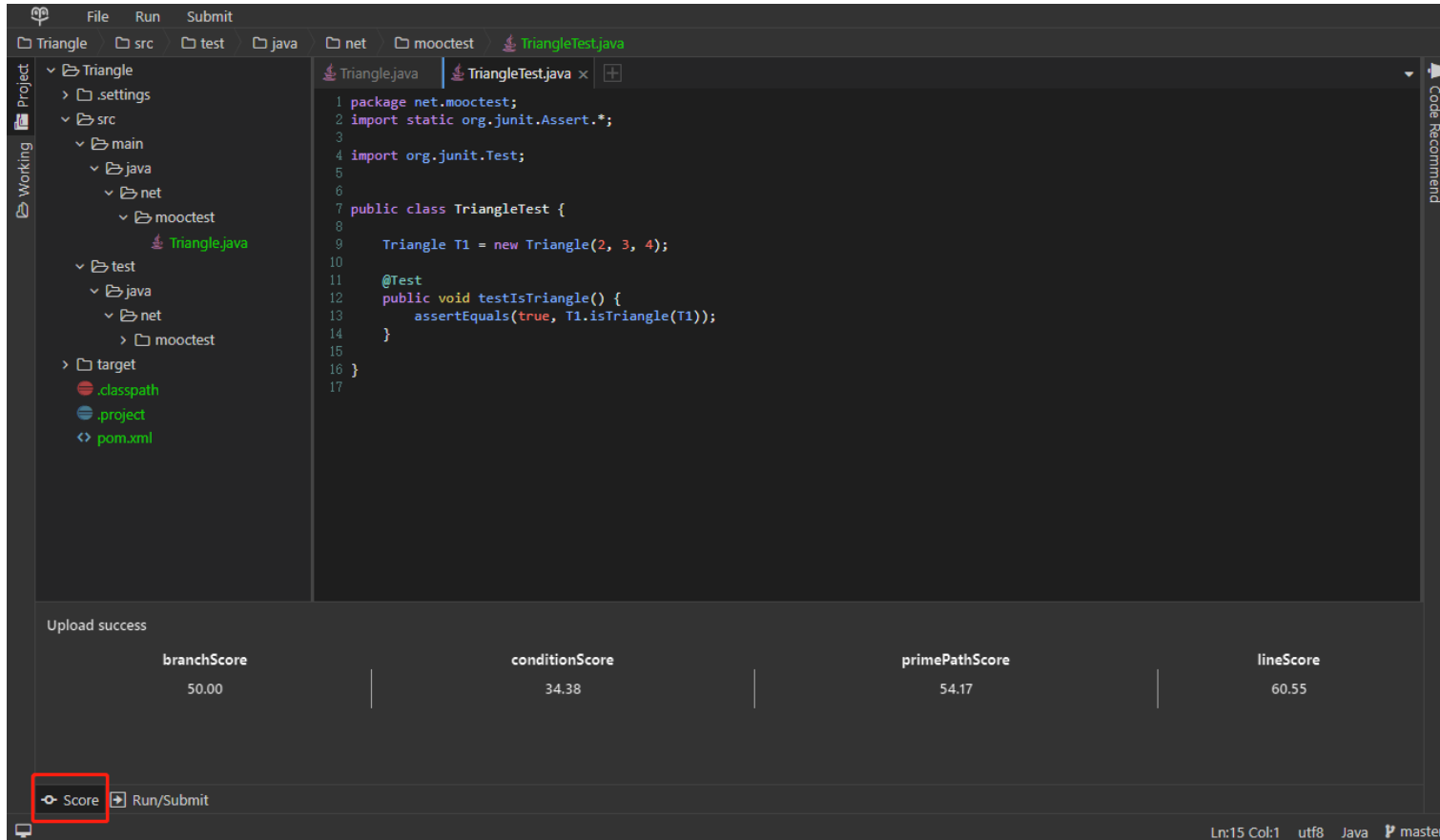
## 7. Click Button “Submit” to submit to the server



## 8. Click “Run/Submit” to view the log



## 9. Click “Score” to view the score



The screenshot shows an IDE interface with a project named "Triangle". The left sidebar displays the project structure, including folders for "src", "test", and "target". The main editor window shows the code for "TriangleTest.java", which is a JUnit test class. The code defines a "Triangle" class and a "testIsTriangle()" method that asserts the correctness of the "Triangle" class's "isTriangle()" method.

Below the code editor, the "Run" button is highlighted with a red box. To the right of the "Run" button is a "Score" button, which is also highlighted with a red box. The "Score" button is used to view the execution results.

The execution results are displayed in a table below the "Run" button. The table shows the following scores:

branchScore	conditionScore	primePathScore	lineScore
50.00	34.38	54.17	60.55

The status bar at the bottom of the IDE shows the current file is "Ln:15 Col:1", the encoding is "utf8", the language is "Java", and the branch is "master".