

# 水杉校场教师使用指南

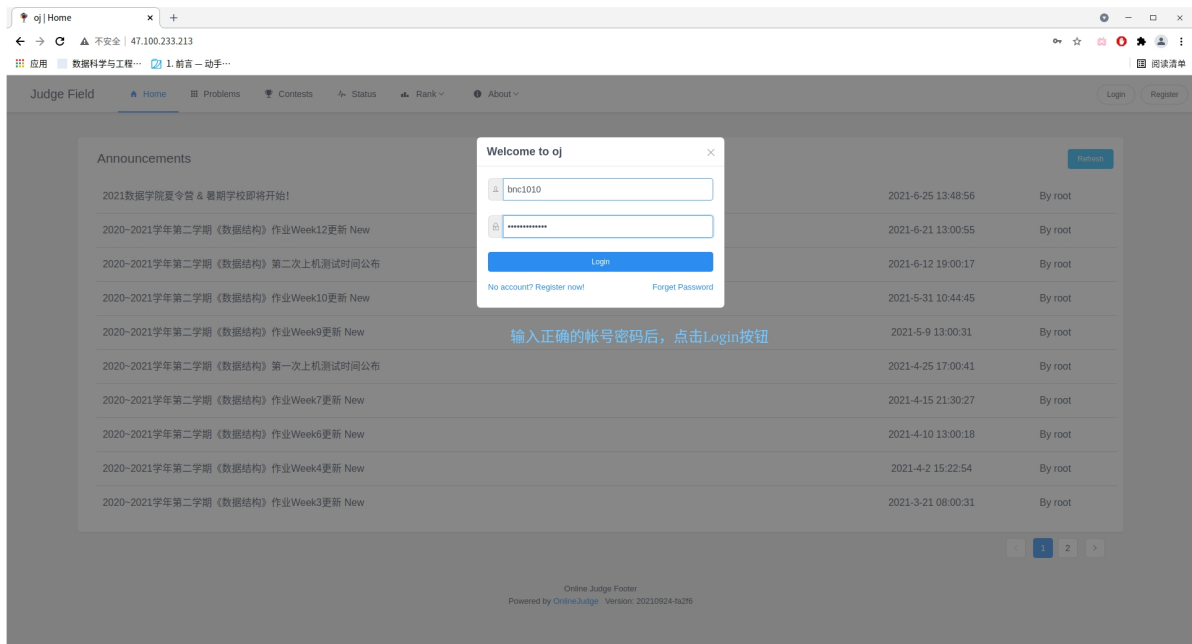
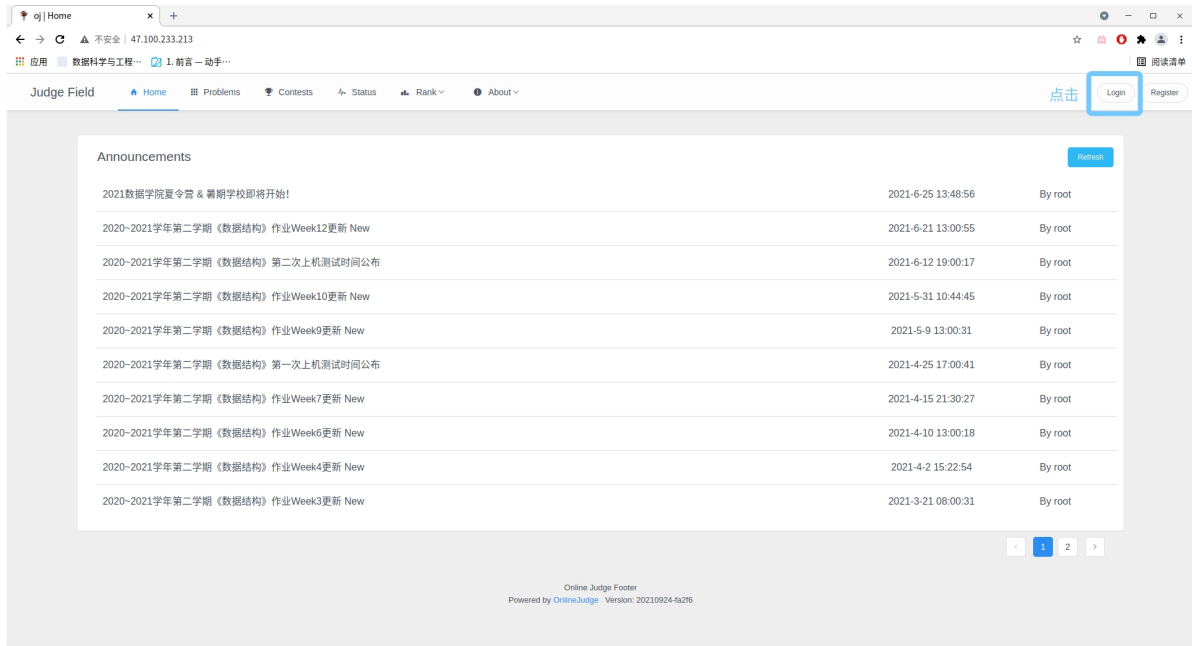
---

## 目录:

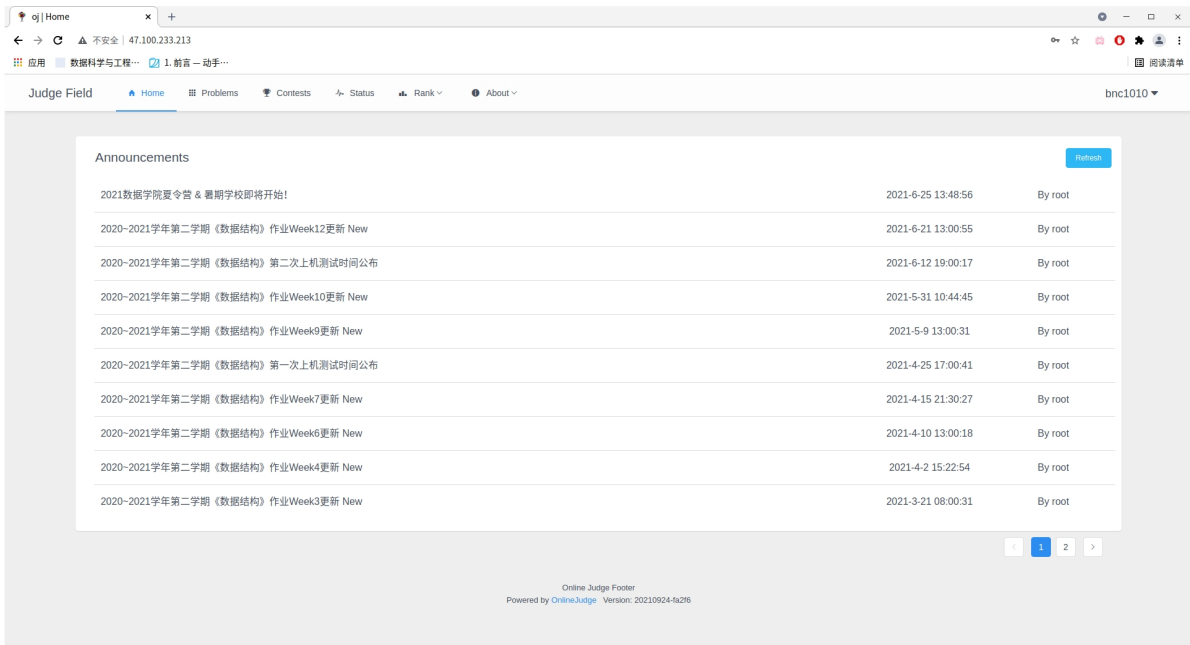
- 1.开始
- 2.题目管理
  - 2.1 新增题目
  - 2.2 编辑题目
  - 2.3测试样例文件说明
- 3.限时测试管理

# 1.开始

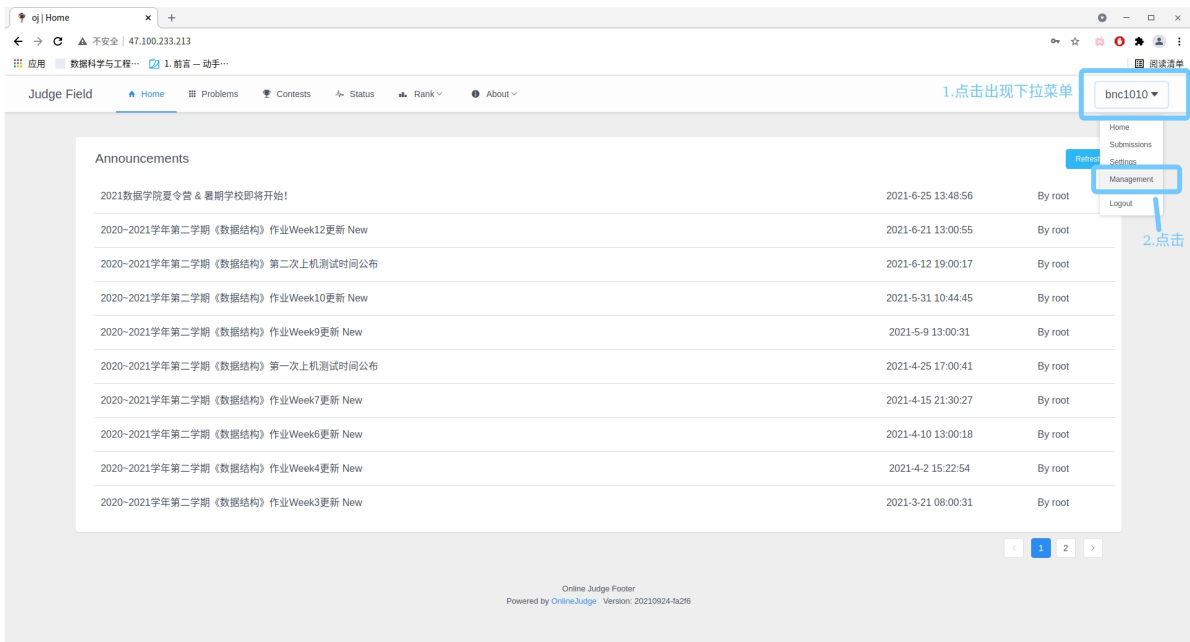
使用前应先向管理员申请帐号，使用帐号在校场上登陆。



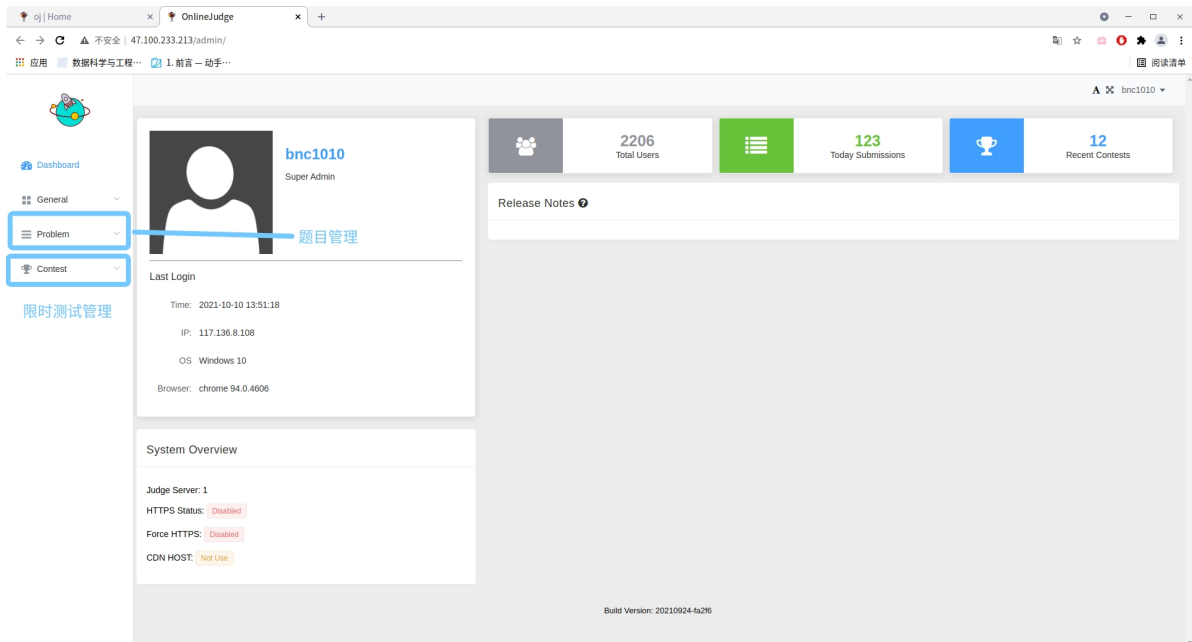
成功登陆后界面如下：



教师的使用主要为管理功能，进入管理界面步骤如下：



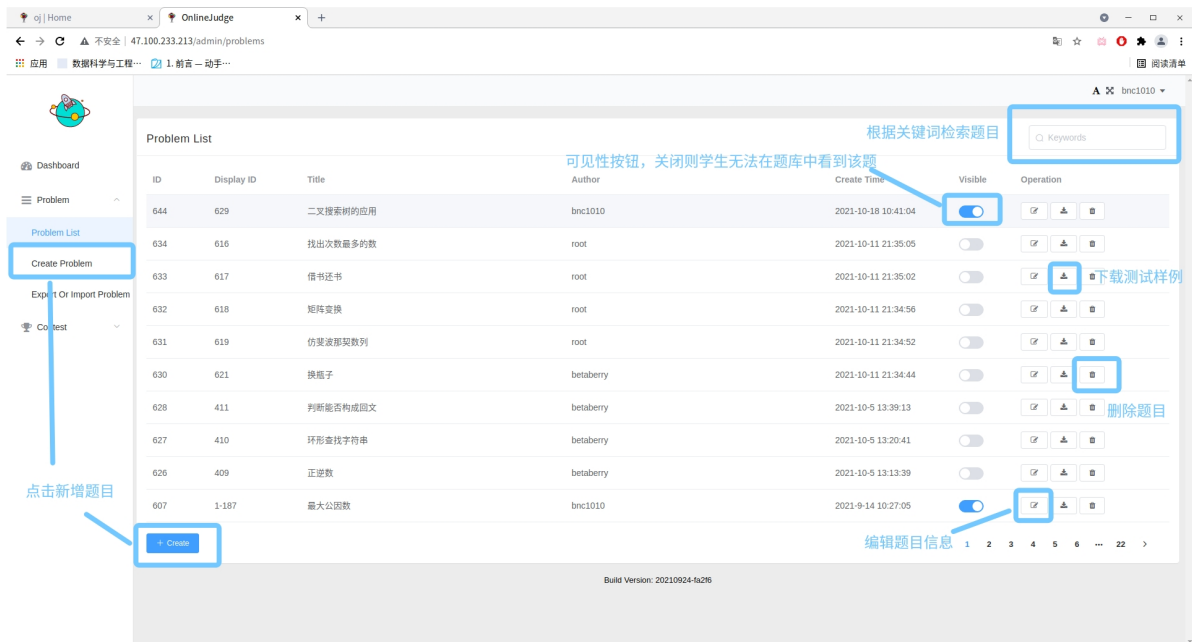
管理界面如下：



教师功能主要为上图中的题目管理和限时测试管理。

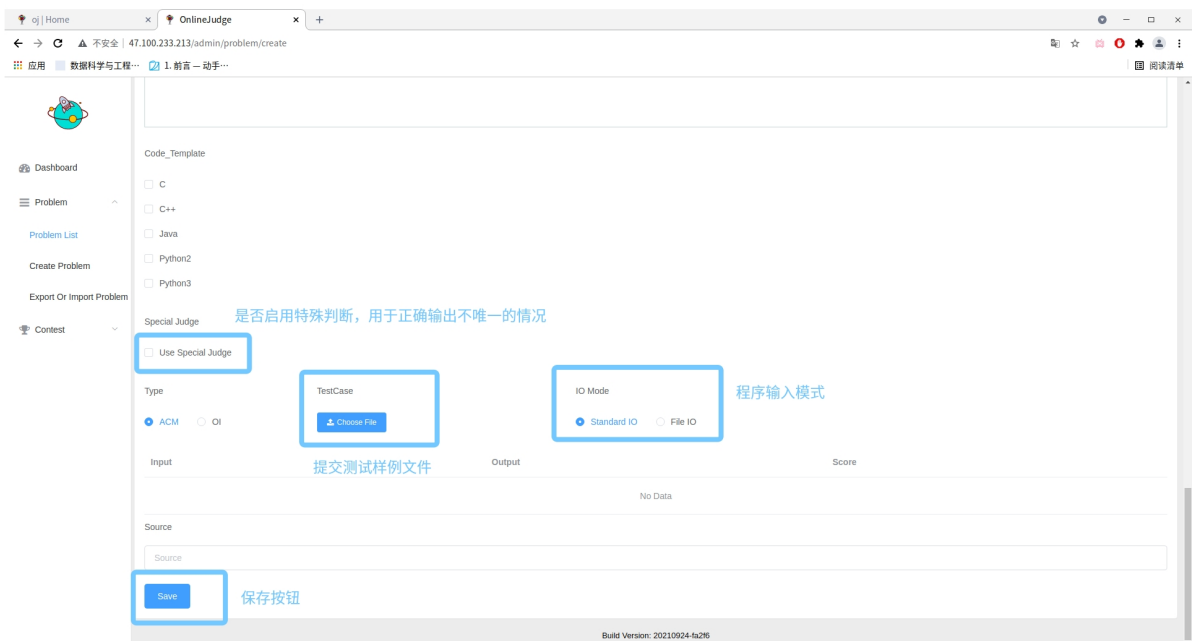
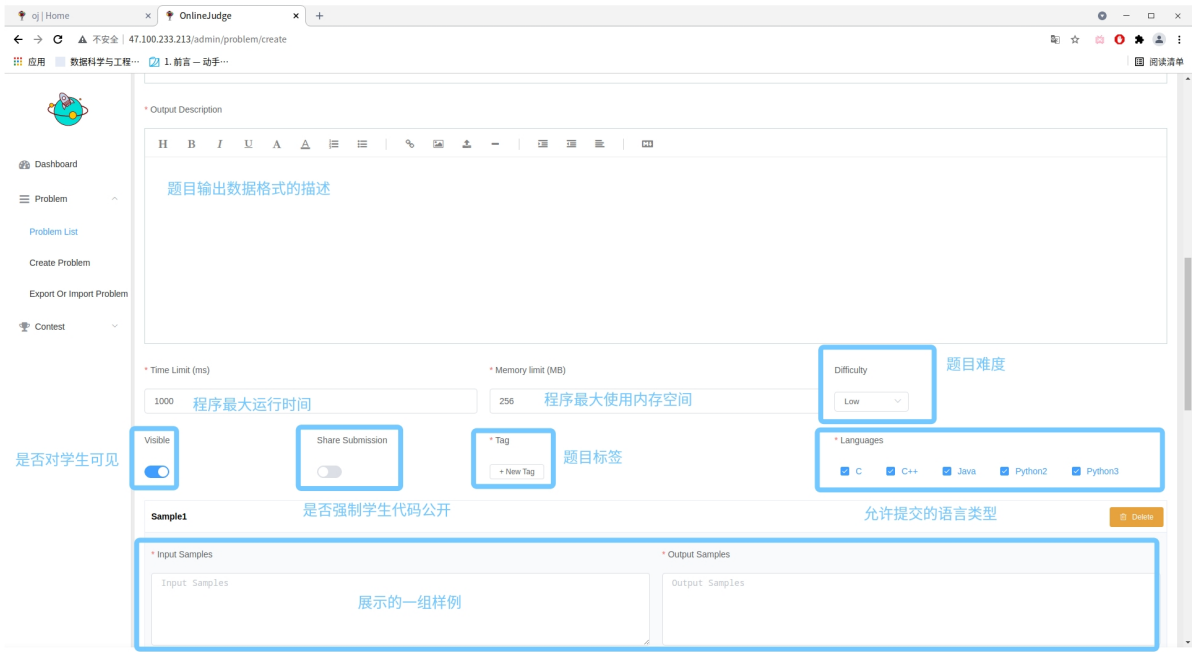
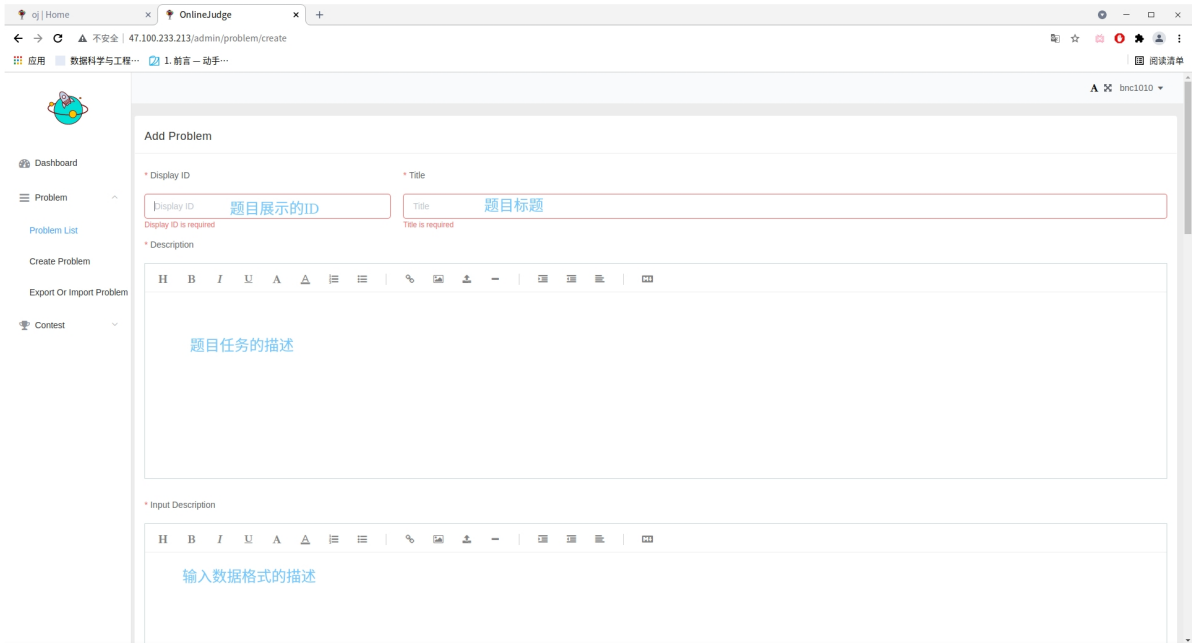
## 2. 题目管理

管理题库中的题目，主要操作有新增题目，编辑题目，下载题目测试样例，删除题目。



### 2.1 新增题目

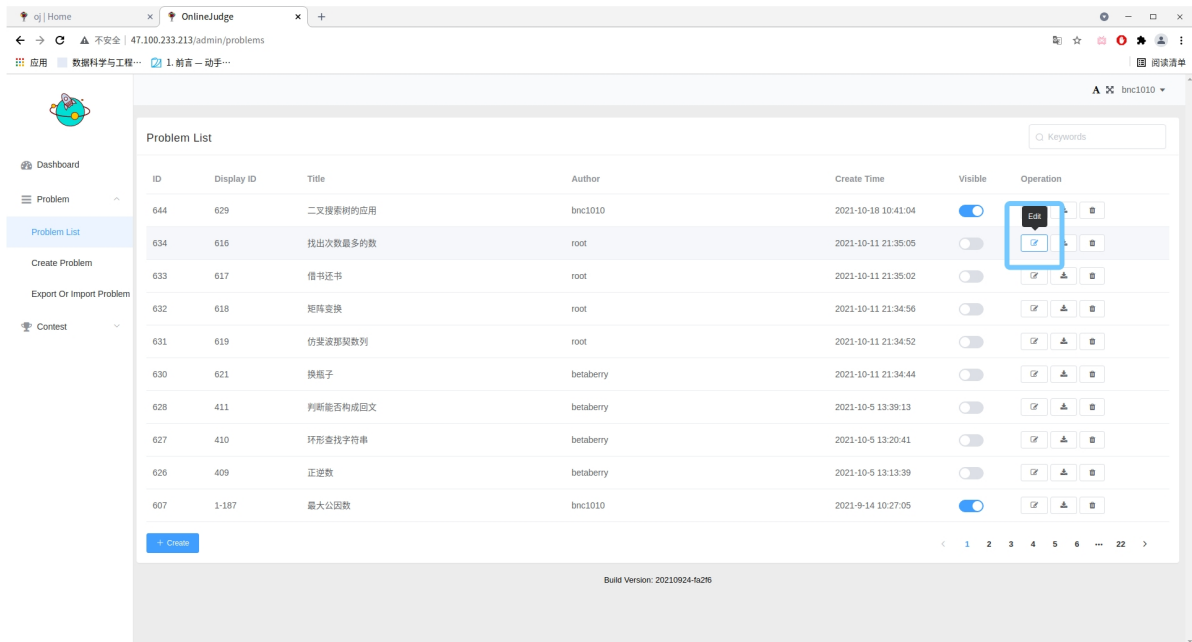
根据上图，进入新增题目界面。



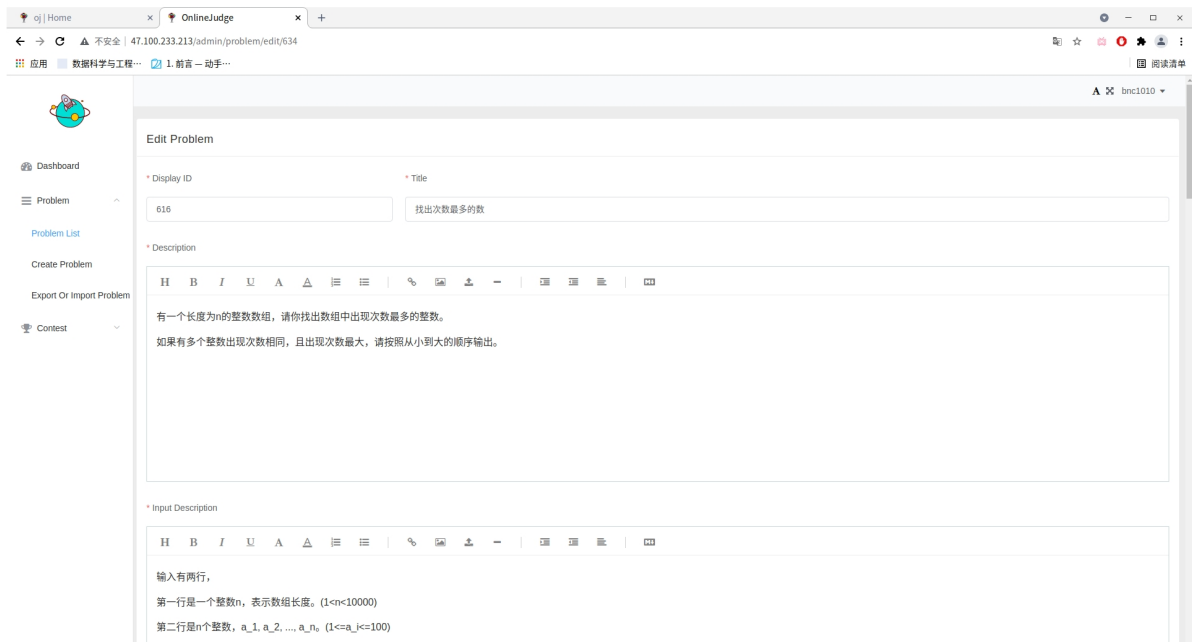
根据提示输入题目信息，最后点击Save按钮保存题目。

## 2.2 编辑题目

点击下图中框中按钮进入编辑界面：



编辑界面与新增界面一致：



oj | Home OnlineJudge

应用 数据科学与工程... 1. 前言 - 动手...

Output Description

H B I U A A | | | | | | | | | |

输出为一行，如果有多个整数，请用空格间隔，最后一个整数后面不要输出空格。

\* Time Limit (ms) 1000 \* Memory limit (MB) 256 Difficulty Low

Visible  Share Submission  \* Tag 选择  + New Tag \* Languages  C  C++  Java  Python2  Python3

Sample1

\* Input Samples \* Output Samples

5  
1 1 2 3 4

1

oj | Home OnlineJudge

应用 数据科学与工程... 1. 前言 - 动手...

Sample1

\* Input Samples \* Output Samples

5  
1 1 2 3 4

1

Sample2

\* Input Samples \* Output Samples

5  
1 2 3 4 5

1 2 3 4 5

Sample3

\* Input Samples \* Output Samples

3  
10 10 11

10

oj | Home OnlineJudge

应用 数据科学与工程... 1. 前言 - 动手...

Type TestCase IO Mode

ACM  OI   Standard IO  File IO

Input	Output	Score
1.in	1.out	10
2.in	2.out	10
3.in	3.out	10
4.in	4.out	10
5.in	5.out	10
6.in	6.out	10
7.in	7.out	10
8.in	8.out	10
9.in	9.out	10
10.in	10.out	10

Source

Source

Build Version: 20210924-hz26

选择需要修改的部分，填入新信息，最后点击Save按钮以保存修改。

## 2.3测试样例文件说明

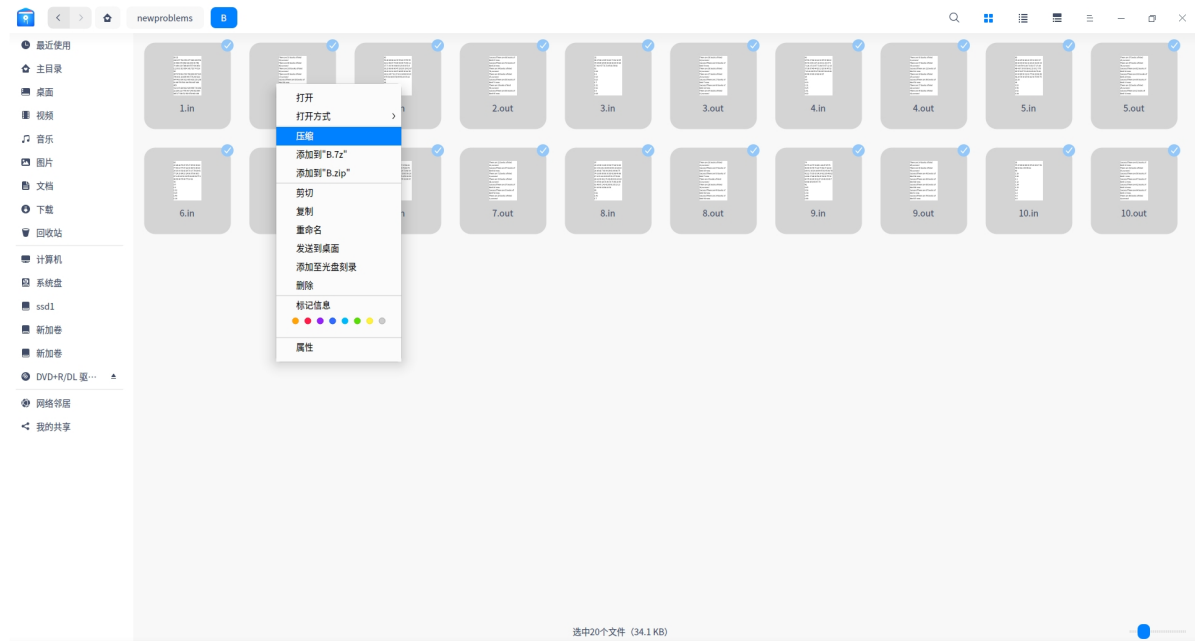
格式如下：

```
.  
|-- 1.in  
|-- 1.out  
|-- 2.in  
|-- 2.out  
|-- 3.in  
|-- 3.out
```

其中1.in为第一个样例的输入，1.out为第一个样例的输出，其它类推。

如何打包：不要创建一个文件夹，在文件夹中放着输入输出，对这个文件夹打包。

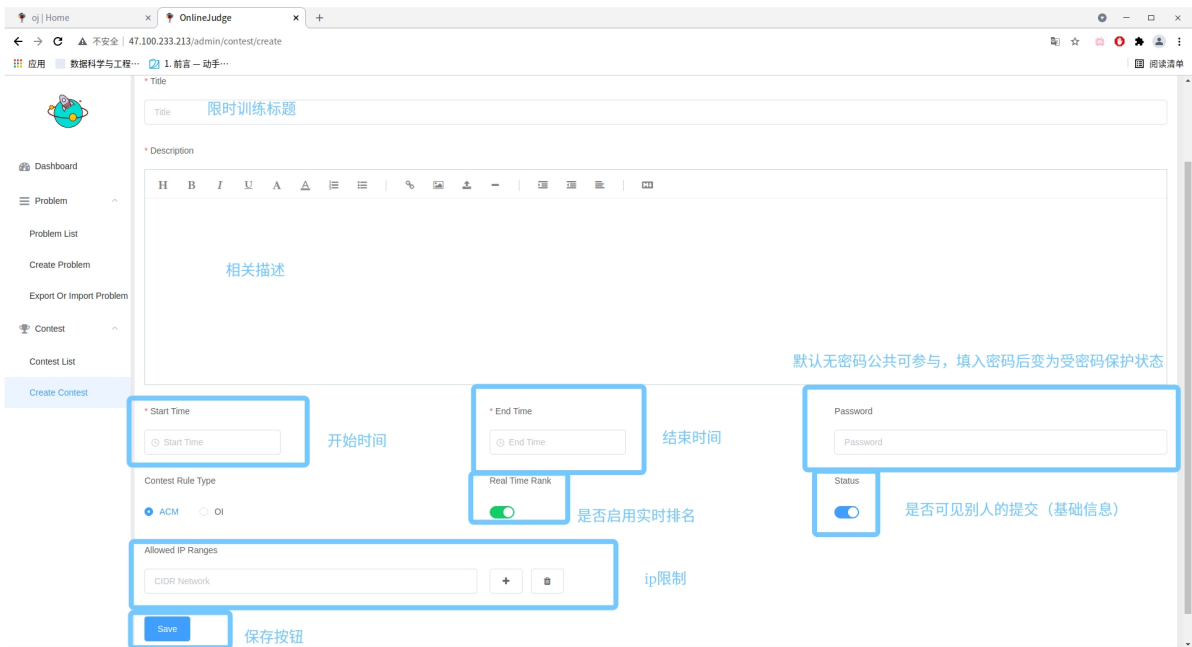
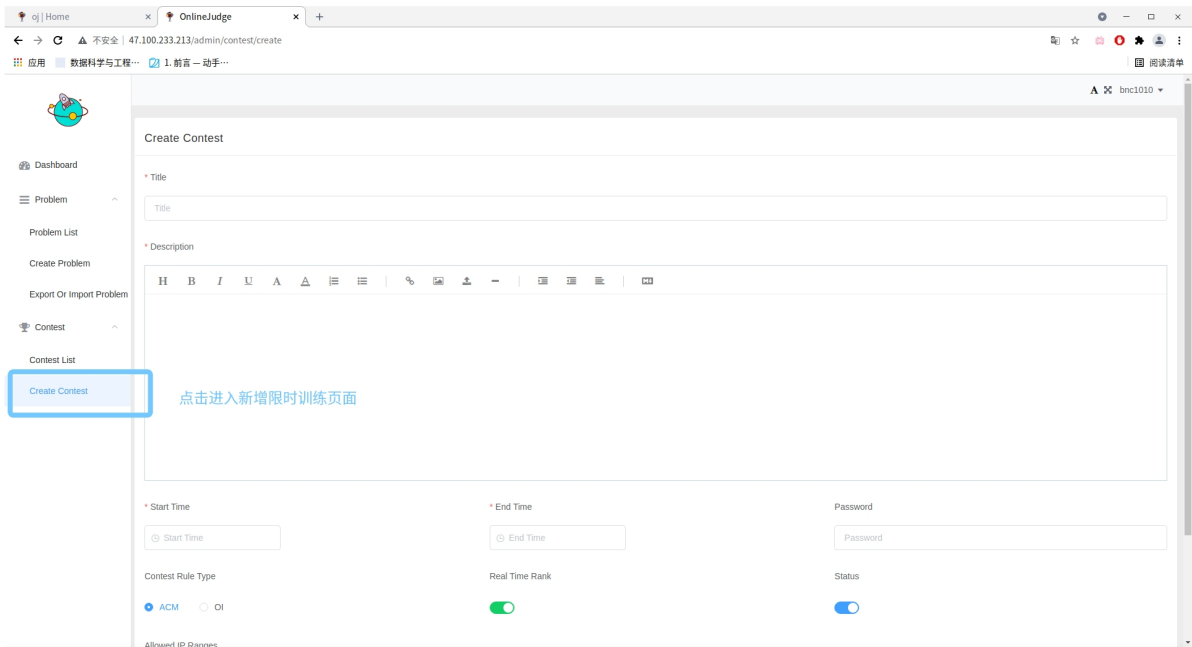
请直接选中所有的输入输出右键直接打包，例如：



## 3.限时测试管理

点击下图框中按钮进入新增页面：





根据提示填入信息后，点击保存按钮。

此时比赛基础信息已设置，但还没有完全结束，关键的题目还没有添加。

OnlineJudge Contest List

ID	Title	Rule Type	Contest Type	Status	Show Case	Visible	Operation
87	《算法设计与分析》第四次实验课	ACM	Password Protected	Underway	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Add</a>
86	2021程序设计第一次上机测验-复盘	ACM	Public	Underway	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Add</a>
85	《算法设计与分析》第三次实验课	ACM	Password Protected	Ended	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Add</a>
84	《算法设计与分析》第二次实验课	ACM	Password Protected	Ended	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Add</a>
82	test2	ACM	Password Protected	Ended	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Add</a>
81	乘风破浪	ACM	Password Protected	Ended	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Add</a>
80	披荆斩棘	ACM	Password Protected	Ended	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Add</a>
79	初出茅庐	ACM	Password Protected	Ended	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Add</a>
78	万键归宗	ACM	Password Protected	Ended	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Add</a>

Build Version: 20210924-fa2f6

点击进入训练列表页面

OnlineJudge Contest List

ID	Title	Rule Type	Contest Type	Status	Show Case	Visible	Operation
87	《算法设计与分析》第四次实验课	ACM	Password Protected	Underway	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Add</a>
86	2021程序设计第一次上机测验-复盘	ACM	Public	Underway	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Add</a>
85	《算法设计与分析》第三次实验课	ACM	Password Protected	Ended	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Add</a>
84	《算法设计与分析》第二次实验课	ACM	Password Protected	Ended	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Add</a>
82	test2	ACM	Password Protected	Ended	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Add</a>
81	乘风破浪	ACM	Password Protected	Ended	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Add</a>
80	披荆斩棘	ACM	Password Protected	Ended	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Add</a>
79	初出茅庐	ACM	Password Protected	Ended	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Add</a>
78	万键归宗	ACM	Password Protected	Ended	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Add</a>

Build Version: 20210924-fa2f6

点击进入题目编辑页面

OnlineJudge Contest Problem List

已添加的题目

ID	Display ID	Title	Author	Create Time	Visible	Operation
615	1-191	树的遍历	bnc1010	2021-9-14 18:21:30	<input checked="" type="checkbox"/>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Add</a>
614	1-190	求全排列	bnc1010	2021-9-14 18:19:06	<input checked="" type="checkbox"/>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Add</a>
613	1-189	最后一块石头的重量	bnc1010	2021-9-14 13:16:01	<input checked="" type="checkbox"/>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Add</a>
612	A	简单数独	bnc1010	2021-9-14 11:14:21	<input checked="" type="checkbox"/>	<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> <a href="#">Add</a>

对已添加题目编辑

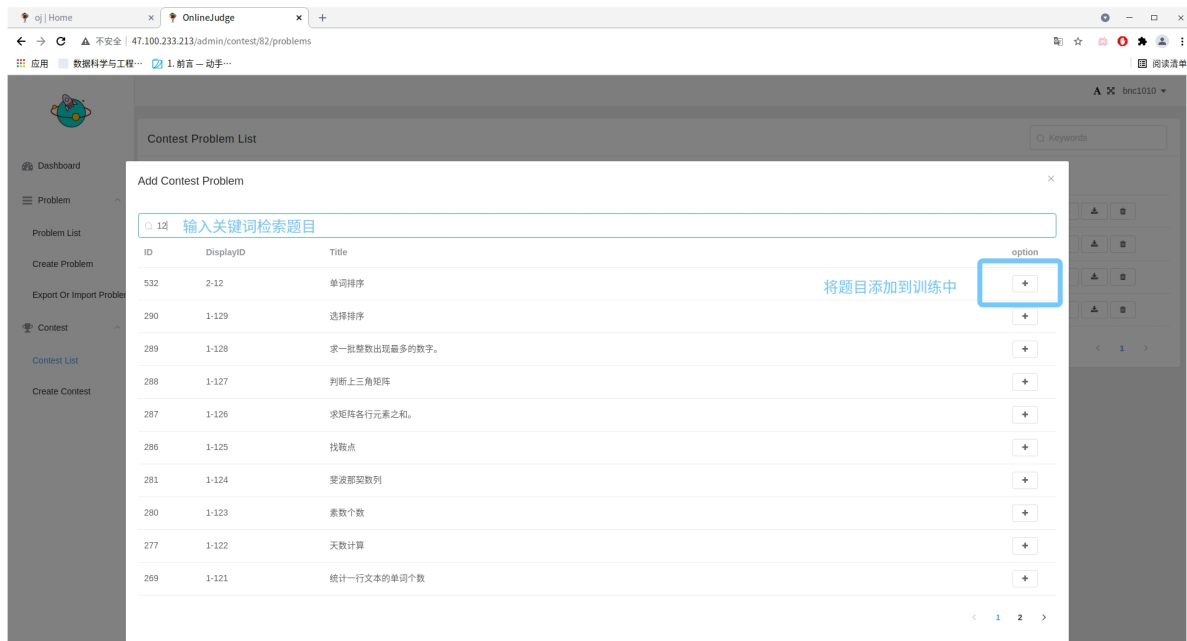
从题库中添加

添加一个全新题目

Build Version: 20210924-fa2f6

添加和修改题目与上文题目部分一致，详见上文。

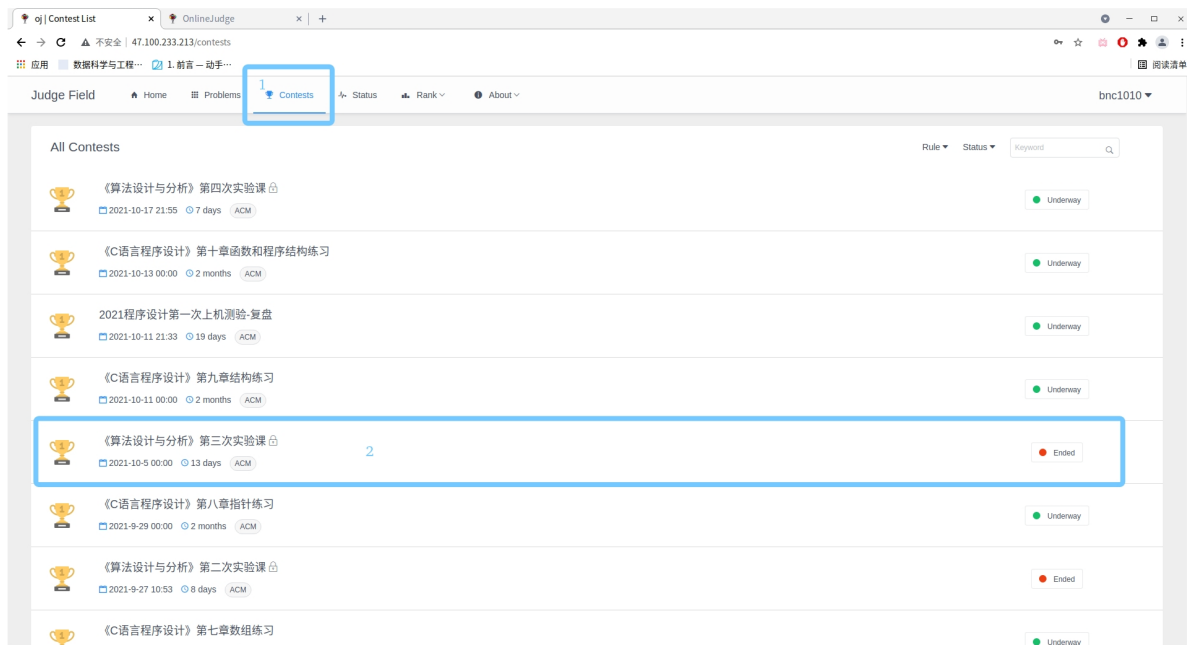
从题库添加见下图：



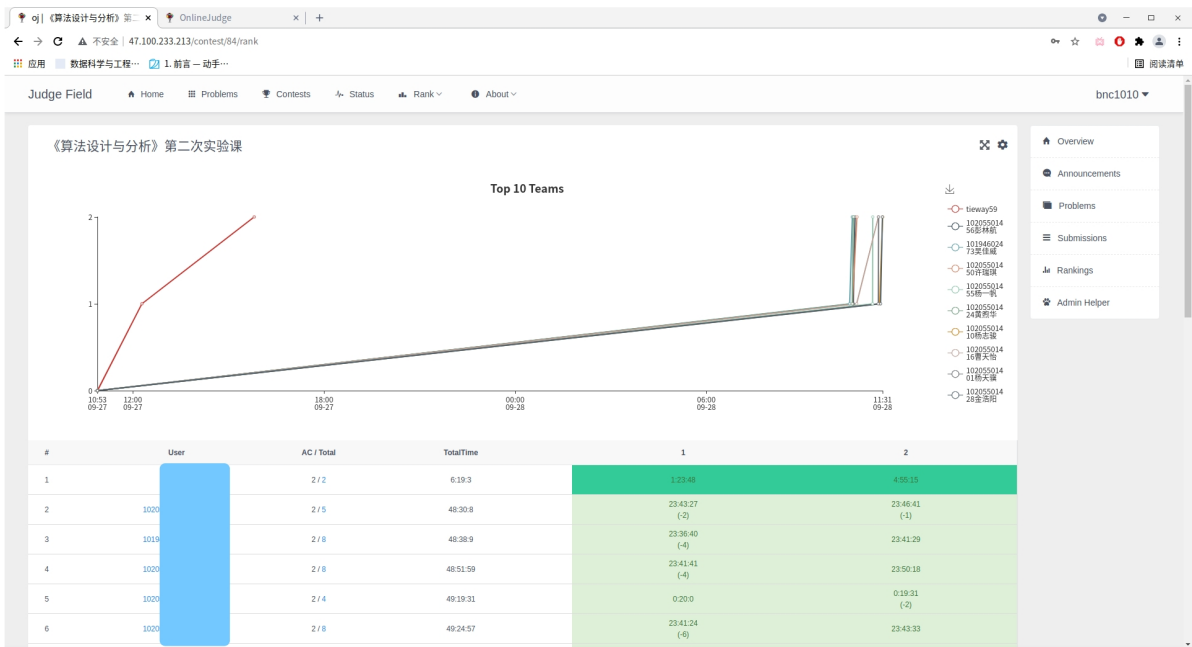
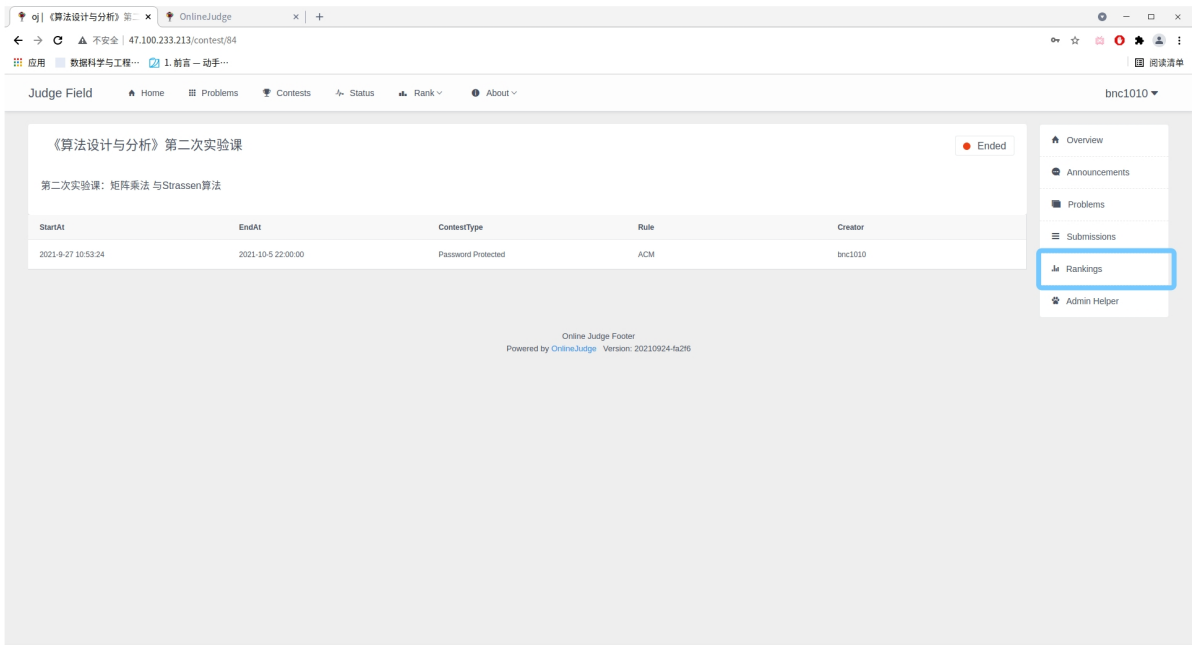
到此，训练已完全设置完毕，等待开始和结束即可。

结果查看和数据导出：

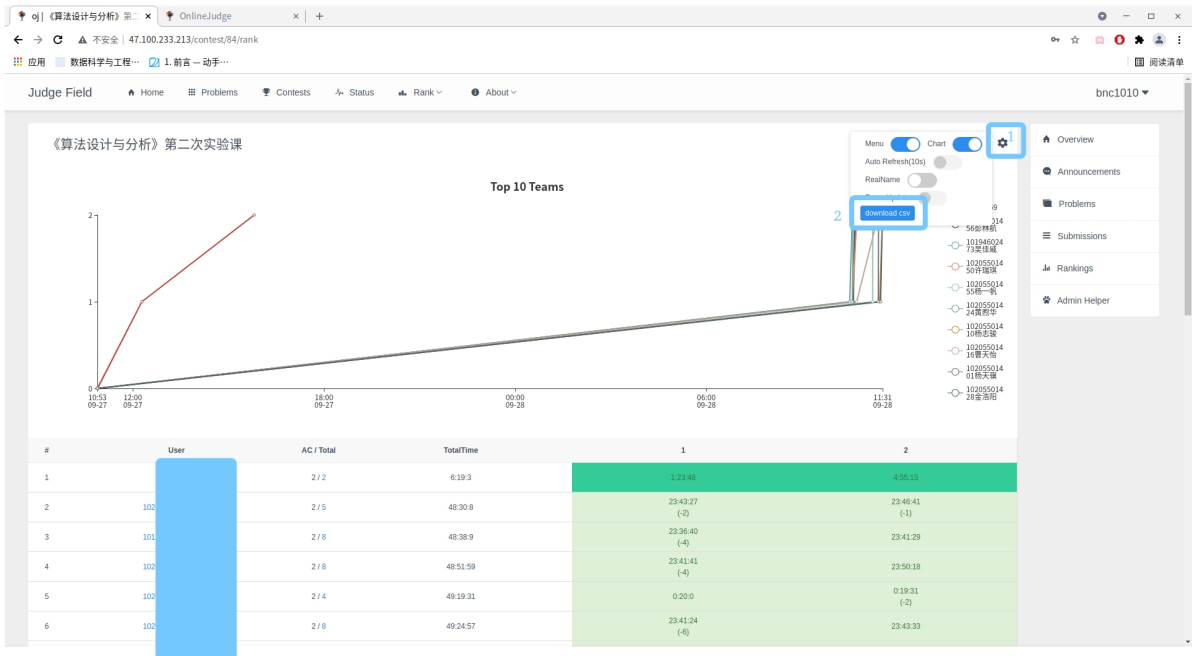
首先进入训练。



进入Ranking，可查看学生训练情况



数据导出：



可以下载训练数据的表格。

学生代码查看：

ACM Helper

点击username, 查看该学生提交的代码

AC Time	ProblemID	First Blood	Username	RealName	Status	Option
2021-10-5 20:12:28	1	---	10195		Not Checked	✓ Check It
2021-10-5 17:17:26	2	---	10184		Not Checked	✓ Check It
2021-10-5 16:24:32	1	---	10205		Not Checked	✓ Check It
2021-10-5 12:17:43	1	---	10205		Not Checked	✓ Check It
2021-10-4 21:25:56	1	---	10205	Yagariight	Not Checked	✓ Check It
2021-10-4 20:37:03	2	---	10205		Not Checked	✓ Check It
2021-10-4 15:36:53	1	---	y	你好你好你好	Not Checked	✓ Check It
2021-10-4 11:26:14	2	---	10205		Not Checked	✓ Check It
2021-10-4 01:39:12	2	---	10193		Not Checked	✓ Check It
2021-10-4 01:37:44	1	---	10193		Not Checked	✓ Check It
2021-10-3 23:10:26	2	---	10205		Not Checked	✓ Check It
2021-10-3 22:51:26	2	---	10205		Not Checked	✓ Check It
2021-10-3 22:47:41	1	---	10205		Not Checked	✓ Check It
2021-10-3 22:35:11	2	---	10205		Not Checked	✓ Check It
2021-10-3 22:23:25	2	---	10205		Not Checked	✓ Check It

oj | 《算法设计与分析》第... x | OnlineJudge x | +

← → 不安全 | 47.100.233.213 | contest/84/submissions?username=10195501401石心蕊

应用 数据科学与工程... 1. 前言 - 动手...

Judge Field Home Problems Contests Status Rank About

bnc1010

Submissions 点击提交的ID即可查看

Status: 1019 Refresh

When	ID	Status	Problem	Time	Memory	Language	Author
2021-10-5 21:27:06	5494ab030d	Compile Error	2	--	--	C++	101955
2021-10-5 21:13:22	4599009e3f	Time Limit Exceeded	2	1985ms	12MB	C++	101955
2021-10-5 20:12:28	2ae057196789	Accepted	1	813ms	3MB	C++	101955
2021-10-5 20:00:22	eeed26d9f5b	Time Limit Exceeded	1	1740ms	6MB	C++	101955
2021-10-5 19:56:12	d246eba58885	Time Limit Exceeded	1	1697ms	7MB	C++	101955
2021-10-5 19:46:59	e282c0aa7a09	Time Limit Exceeded	1	1766ms	7MB	C++	101955

Overview  
Announcements  
Problems  
Submissions  
Rankings  
Admin Helper

Online Judge Footer  
Powered by OnlineJudge Version: 20211024-ls2f6

oj | Submission Details x | OnlineJudge x | +

← → 不安全 | 47.100.233.213 | /status/5404afeda30d72b2849b49d6cddb835

应用 数据科学与工程... 1. 前言 - 动手...

Judge Field Home Problems Contests Status Rank About

bnc1010

Compile Error

```

/tmp/ccgQ9rS.o: In function 'Strassen_thread(Matrix<int>&, Matrix<int> const&, Matrix<int> const&)':
main.cpp:(.text+0x2abd): undefined reference to 'pthread_create'
main.cpp:(.text+0x2b8c): undefined reference to 'pthread_create'
main.cpp:(.text+0x2c5b): undefined reference to 'pthread_create'
main.cpp:(.text+0x2d2a): undefined reference to 'pthread_create'
main.cpp:(.text+0x2df9): undefined reference to 'pthread_create'
/tmp/ccgQ9rS.o:main.cpp:(.text+0x2ec8): more undefined references to 'pthread_create' follow
collect2: error: ld returned 1 exit status

```

```

#define _CRT_SECURE_NO_WARNINGS
#include <stdio>
#include <string>
#include <ctype>
#include <thread>

inline
int readint() {
    char c;
    int ret = 0;
    while (!isdigit(c = getchar())) && c != '-';
    do {
        ret = ret * 10 + (c < 0 ? 0 : c);
    } while (isdigit(c = getchar()));
    return ret;
}

template <typename T>
class Matrix {
private:
    int _height;
    int _width;
    T* _elems;
public:
    Matrix(int _height(0), int _width(0)) {
        _elems = nullptr;
    }
};

```