Programming with Funny A Problem about Happy

Qiyuan Pu 蒲启元

School of Big Data and Intelligence Engineering Southwest Forestry University

Online Judge System, May 2018



- What do you live for
- 2 How do you think of programming
- Online Judge System
- Some example problem
- 5 About ACM-ICPC
- 6 Join us
- One day
- Thanks



- What do you live for
- 2 How do you think of programming
- Online Judge System
- Some example problem
- 5 About ACM-ICPC
- Join us
- One day
- 8 Thanks



What do you live for



Truth



Love



Dream



Money





Basically, those can be reasons

How about



What do you live for

Why happy

- Live longer(source)
- 2 More healthy(source)
- Marriages more succeed(source)
- Make more money(source)
- Life should be happy, isn't it?
- **6**

Let's talk about one of methods to happy

Programming



- What do you live for
- 2 How do you think of programming
- Online Judge System
- Some example problem
- About ACM-ICPC
- 6 Join us
- One day
- 8 Thanks



May you think so...





Or...



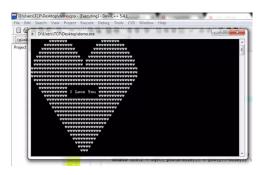


But, it can be... Programming running





Programmer's love poem ...



printf("Hello, my World");



11/28

Programmer's kids...





Why Linus is the greatest programmer



Most good programmers do programming not because they expect to get paid or get adulation by the public, but because it is fun to program.

(Linus Torvalds)

But is there a way to get programming fun?



- What do you live for
- 2 How do you think of programming
- Online Judge System
- Some example problem
- 5 About ACM-ICPC
- 6 Join us
- One day
- 8 Thanks



Yes, it's Online Judge System

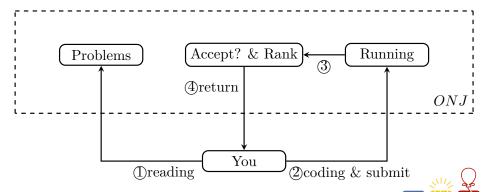
An online judge is an online system to test programs in programming contests. They are also used to practice for such contests. Many of these systems organize their own contests.

How it works?



Online Judge System

Process of working



Some common ONJs International

- CodeChef
- LeetCode
- URI Online Judge
- SPOJ
- TopCoder



Online Judge System

Domestic

- 清华清橙
- 北大判题系统

My choice — URI

- Levels
- Many problems
- Full functioning
- English



- What do you live for
- 2 How do you think of programming
- Online Judge System
- Some example problem
- 5 About ACM-ICPC
- 6 Join us
- One day
- 8 Thanks



Some example problem

Problems

- Problem 1001 Extremely Basic
- Problem 1002 Area of a Circle

Video Demo

A demo how to use URI Online Judge — Video



- What do you live for
- 2 How do you think of programming
- Online Judge System
- Some example problem
- 5 About ACM-ICPC
- 6 Join us
- One day
- 8 Thanks



About ACM-ICPC

ACM International Collegiate Programming Contest

- international
- annual multi-tiered
- team competitions
- must be university students

More details



- What do you live for
- 2 How do you think of programming
- Online Judge System
- Some example problem
- About ACM-ICPC
- Join us
- One day
- 8 Thanks



Join us

Discussion Group

- QQ Group Programming SWFU(772995886)
- Google Group Programming-SWFU

Contact Me

Email: pqy7172@gmail.com

QQ: 1552239450

WeChat: pqy7172



- What do you live for
- 2 How do you think of programming
- Online Judge System
- Some example problem
- About ACM-ICPC
- 6 Join us
- One day
- 8 Thanks



One day

I hope one day...

- everyone fell in love with programming
- we can also participate in the ACM-ICPC
- Active discussion in the forum



- What do you live for
- How do you think of programming
- Online Judge System
- Some example problem
- 6 About ACM-ICPC
- 6 Join us
- One day
- Thanks



Thank you for your attention



