Sprint #1:

LoveCoding OJ

Team #43:

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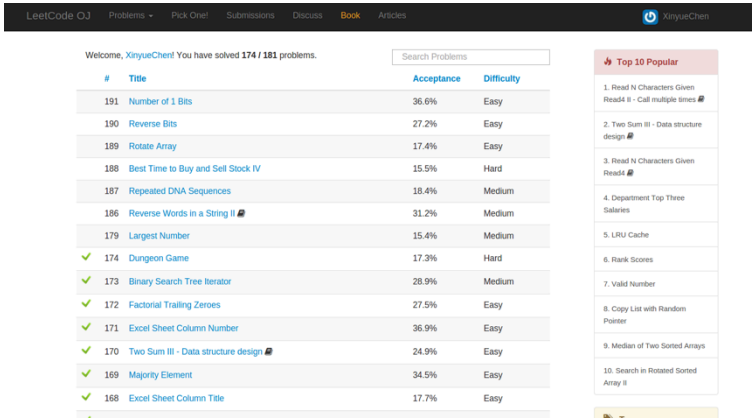
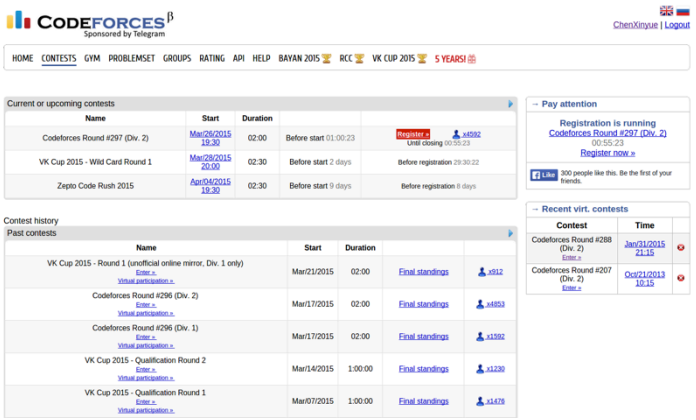
Outline

- Vision
- Design
- Approach
- Progress
- Plan
- References

Vision

- An online judging platform
- Algorithm problems
- Algorithm competitions





Design

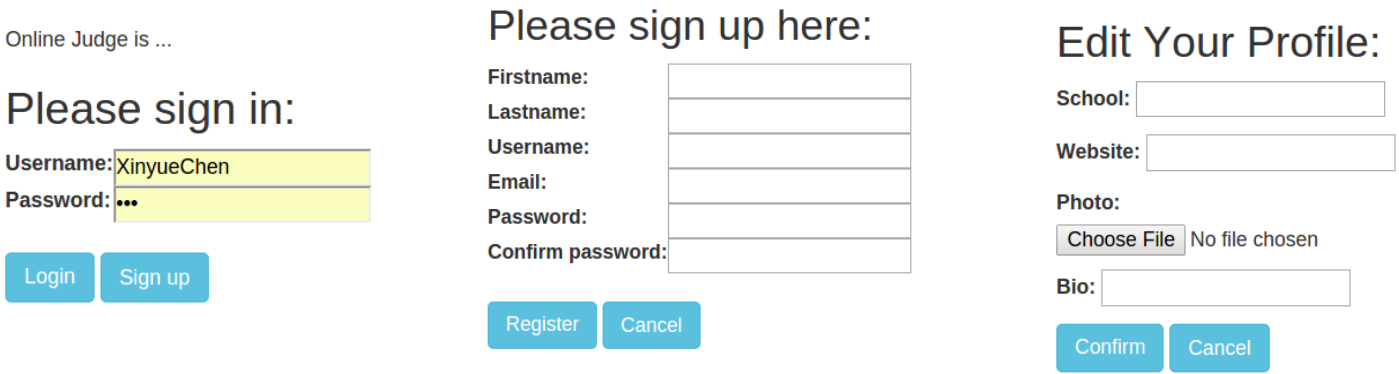
- Account Management
  - Login, register, profile
  - Ranking, history
- Problem Management
  - Upload and display
  - Rich feature code editor
  - Sandbox evaluation
- Competition Management

Approach

- Web framework: Django
- Cloud Deployment: AWS
- Code editor: CodeMirror
- Sandbox: pysandbox

Progress

- Account Management



Progress

- Problem Management

Problems...

Problem ID	Problem Title
1	证明用冒泡的想法就好了
2	Repeated DNA Sequences

Problem 2: Repeated DNA Sequences

Problem Description:

All DNA is composed of a series of nucleotides abbreviated as A, C, G, and T, for example: "ACGAATTCCG". When studying DNA, it is sometimes useful to identify repeated sequences within the DNA.

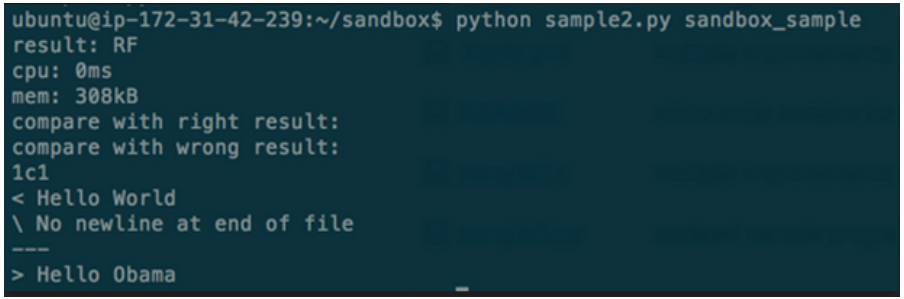
Write a function to find all the 10-letter-long sequences (substrings) that occur more than once in a DNA molecule.

Your Code here:

```
1
```

Progress

- pysandbox



Plan

- Sprint #2
  - All basic features
    - problem evaluation
    - competition
    - discussion
- Final
  - UI improvement
  - Concurrency concern

References

- Django: https://www.djangoproject.com/
- Bootstrap: http://getbootstrap.com/
- CodeMirror: https://codemirror.net/
- Pysandbox: https://github.com/openjudge/sandbox