

## Exercise #1 Submission Policy

### A. Language

C, C++

(Please check your program can compile successfully by gcc/g++/vc++)

### B. Input Format

Your program should read input until EOF. The rule of one testing data is listed below:

The first row is a positive integer  $n$ , which represents the number of the coin.

$10000 \geq n \geq 3$ .

The second row follows by  $n$  positive integers named  $t_n$ , which means the weights of  $n$ th coin.  $INT\_MAX \geq t_n > 0$

### C. Output Format

Output a number  $t$ , and  $t$  means the index of the fake coin.

### D. Submission File

#### 1. Main program

You should name your file as `coin.c` / `coin.cpp`.

Your program should use standard input / output.

#### 2. Report

- Environment(OS, compiler version, IDE)
  - how to run your program
- Results
  - method or solutions
  - analyze the running time of your algorithm
  - anything you want to share

Please hand in your main program and report in **STUDENT\_ID.zip** to e3 platform.  
(example: 0123456.zip)

STUDENT\_ID.zip

coin.c / coin.cpp

STUDENT\_ID.pdf

### E. Cheating Policies

- **0 points for any cheating on assignments**
- Allowing another student to examine your code is also considered as cheating

### F. Score

There will be 3 testing dataset, D1, D2 and D3. D1 is already provided in input.txt.

- Pass D1:30
- Pass D2:15
- Pass D3:15
- Report:40

Total:100

**G. Late Submission**

Every week late from the due day will get **10% penalty**. For example, if you submit the homework on 11/10, your final score will \* 0.9. And if you submit it on 11/17, your final score will \* 0.8.

- If you have any questions, you can email TAs or come to EC126 after email