

# Week 8

## Remind

- 抄襲一律 0 分 （包含被抄襲者）
- 繳交期限: **11/15(Sun.) 11:59 p.m.**
- 繳交的檔案格式、名稱請符合以下規定
  - 請繳交 zip檔至 Ceiba作業區，名稱為 <student\_id>.zip
  - 解壓縮後須符合格式、名稱
  - e.g. b12345678.zip
- 必須完成 Demo 才可以提早離開
- 若沒有完成 Demo 就中途早退，視同缺席

## Problem 1 - Single Number (0.5%)

### Description

Given a **non-empty** array of integers, every element appears *twice* except for one. Find that single one.

### Input

The first line is the number of elements in the array, and it will not be greater than 100, and it will be an odd number, take n as an example . The next n lines will be the elements in the array. All of them are integers.

### Output

Output the single number which is an integer. There will only be one single number in the array, that is, the single number is unique.

### Sample input

```
5
4
1
2
1
2
```

### Sample output

```
4
```

### File name

{Student\_ID}\_1.cpp