# 組合語言
# 第二次上機考

2021.12.22

# Find the Odd/Even Numbers

**Input:**

Input signed integers until 0 is read. At most 201 integers will be read.

**Output:**

In the first line, please print out the number of odd numbers followed by all odd numbers.

In the second line, please print out the number of even numbers followed by all even numbers.

In the third line, please print out the maximum of all odd numbers and the minimum of all even numbers.

In the fourth line, print out the sum of all odd numbers and the sum of all even numbers.

# Find the Odd/Even Numbers (Cont.)

**Sample Input**

**Sample Output**

| | |
|---|---|
| 8 | 4 3 -1 29 11      ; sum is 42,  max is 29 |
| 3 | 5 8 -2 14 10 -6    ; sum is 24, min is -6 |
| -1 | 29 -6 |
| -2 | 42 24 |
| 14 | |
| 29 | |
| 10 | |
| 11 | |
| -6 | |
| 0   ; end of input | |

# 評分與扣分標準

100 分:

1. (20%) Use multi-module program, i.e, XXX.inc, Main.asm, XXX.asm, …
2. (20%) Define two integer arrays to store odd  and even numbers, respectively.
3. (20%) Write a procedure returning the sum of an (odd or even) array.
4. (20%) Write a procedure printing the size and numbers in an array.
5. (20%) Write two procedures returning the maximum and minimum of an array, respectively.
6. 扣 20 分 if your program calls the C/C++ library functions.