

Exercise #02

- Write program in Visual Studio. You must understand how to compress your project folder. If you upload a wrong compressed file during test/exam, you will receive a *grade of zero*. 務必自己練習壓縮 project 資料夾，考試上傳失敗就是 0 分
- You don't need to turn in your homework, but you should practice all problems because they may probably appear in the later exam. 作業自己練習不用交，之後考試可能會出現類似題目

Problem 1.

- ☐ (*Arithmetic, Largest Value and Smallest Value*) Write a program to **repeat reading** three different integers from the keyboard, and then printing the sum, the average, the product, the smallest and the largest of these numbers. **Input 0 0 0 to end the program.** The screen dialogue should appear as follows:

```
Enter three different integers: 13 27 14
Sum is 54
Average is 18
Product is 4914
Smallest is 13
Largest is 27
```

Problem 2.

- ☐ (*回文數 palindrome*) A palindrome (回文數) is a number or a text phrase that reads the same backward as forward. For example, each of the following five-digit integers is a palindrome: 12321, 55555, 45554 and 11611.
- ☐ Write a program to **repeat reading** a five-digit integer and determining whether or not it's a palindrome. **Input -1 to end the program. You should validate whether or not the input is a five-digit integer.** [Hint: Use the division and remainder operators to separate the number into its individual digits.]