Kasetsart University, Sriracha Campus

03603111: Programming Fundamentals I

	Lab 3
Input/Output	

Objective:

- Understand and use *print* and *input* commands.
- Understand how to format output.
- Understand and use mathematical operations.

Exercise 1: Write a program to get 3 inputs from user and print them in reversed order:

```
Enter the first number: 1
Enter the second number: 2
Enter the third number: 3

Reverse order of 1 2 3 --> 3 2 1
```

Exercise 2: Write a program that takes two integer numbers and prints out the product (multiplication) of the first and the second numbers. The program output should look like this:

```
Enter the first integer number: 20
Enter the second integer number: 5

20*5 = 100
```

Exercise 3: Write a program that converts a volume in milliliter to fluid ounce (1 milliliter = 0.034 ounces). The program output should look like this:

```
Enter a volume (in ml): 250
Volume in milliliter is 250.00

Volume in ounce is 8.50
```

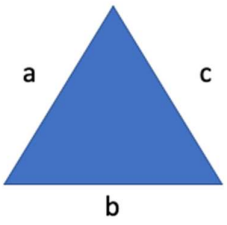
Exercise 4. Write a program that converts a temperature in Celsius (C) to Fahrenheit (F). The program output should look like this:

```
Enter a temperature in C: 37

Temperature in C = 37.00
Temperature in F = 98.60
```

Formula: (1**°C** × 9/5) + 32 = 33.8**°F**

Exercise 5. Write a program which receives three numbers a, b, c from user, and prints out the area of triangle with edges a, b, c.



$$area = \sqrt{s(s-a)(s-b)(s-c)}$$
$$s = \frac{1}{2}(a+b+c)$$

```
Enter length of 3 sides of a triangle
Side A: 4
Side B: 3
Side C: 5

The area is : 6.0
```

Exercise 6. Write a program to takes two integer numbers as input data and display their division,

floor division, and the remainder of a division. The program output should look like this:

```
Enter the two integer numbers: 8 22

The division is 0.36
The floor division is 0
The modulus is 8
```

Exercise 7. Write a program that receives a three-digit integer from the user, then print out the sum of all these three digits. Your program should response as follows:

```
X = 123

Sum of digit is 6
```