Exercise #1

☐ **Problem 1**. *(Separating Digits in an Integer)* Write a program that inputs one five-digit number, separates the number into its individual digits and prints the digits separated from one another by three spaces each.

  ◻ [*Hint:* Use combinations of integer division and the remainder operation.]

  ◻ For example, if the user types in 42139, the program should print
    4   2   1   3   9

☐ **Problem 2**. Write a program that asks the user to enter a number of seconds and then prints the same amount of time in days, hours, minutes, and seconds. [*Hint*: Use the remainder operator]輸入總秒數，換算成日時分秒輸出

  ◻ For example, 3667 seconds is equivalent to 0 days, 1 hour, 1 minute, and 7 seconds.

  ◻ Print out the result in the format:
    "0 day(s), 1 hour(s), 1 minute(s), and 7 second(s)."

☐ **Problem 3.** Input three sides (a, b, c) of a triangle, calculate the area of the triangle

  ◻ area = sqrt(s(s − a)(s − b)(s − c)),
  ◻   where s = (a + b + c) / 2
  ◻ Import math module, use math.sqrt(x)

● You don't need to turn in your homework, but you should practice all problems because they may appear in the following exam.

  ■ 作業自己練習就好，不用繳交，之後考試可能會出現類似題目