# Assignment 2

**Problem 1** (**10 marks)**

Write a Python program that inputs the three coefficients of a trinomial, *a, b* and *c*, and then outputs the trinomial as you would write it on paper.

**Example 1**:  
If the user enters *a* = -1, b = 3, c = -4, then the program would output the   
string -x2 + 3x – 4

**Example 2**:   
If the user enters *a* = 2, b = 0, c = 5, then the program would output the   
string 2x2 – 5

**Problem 2** (**10 marks)**

Write a Python program that inputs any positive integer (1, 2, 3,…) up to 100 from the user and outputs its corresponding ordinal number (1st, 2nd, 3rd …) as a string.

Hints:

* Input the number as a string instead of as an integer. That will make it easier to access the individual digits of the number using the techniques I showed in ***String Number Digits.py***
* To write your if-statement, you’ll need to access the individual digits of the number (namely, the last digit). See ***String Number Digits.py*** for a refresher on how to do this

**Problem 3** (**20 marks)**

Write a Python program that inputs four ordered pairs (x1, y1), (x2, y2), (x3, y3) and (x4, y4),

and outputs whether the resulting quadrilateral is a **square**, a **rectangle**, a **rhombus**, a **parallelogram**, a **trapezoid**, a **kite** or just a **plain**, **boring quadrilateral**.