# Course: Introduction to Programming Using Python

## Module 2. Branching Statements. Part 3

### Task 1

The user types in a six-digit number. Write a program that determines if this number is lucky. (A lucky number is a six-digit number with the sum of its first three digits being equal to the sum of its last three digits.)

For example, 123321 is a lucky number because 1+2+3 = 3+2+1.

But 378423 is not a lucky number because 3+7+8 != 4+2+3.

If the user typed in a non-six-digit number, display an error message.

### Task 2

The user types in a six-digit number. Swap the first and the sixth digits, as well as the second and the fifth.

For instance, 723895 should become 593827.

If the user typed in a non-six-digit number, display an error message.

### Task 3

The user types in a number of the month (from 1 to 12). Based on the typed in number, the program displays one of the following: Winter if the number is 1, 2, or 12, Spring if the number is in the range from 3 to 5, Summer if from 6 to 8, Autumn if from 9 to 11.

If the number is out of the range, display an error message.