

Bonus Task: Pattern Searching

ICT1002 Programming Fundamentals

In this task you will write a program that reads two sequences of numbers. The first sequence of numbers is called *candidate* and the second sequence of numbers is called *pattern*. Your program will determine if the *pattern* is found **entirely** in the *candidate*. To be considered found entirely, all elements of *pattern* must be in the *candidate* sequence at consecutive positions. You have to output the number of founded patterns, or -1 if the *pattern* is not found in the *candidate*.

Input: Allow the users to input **two sequences**, the first sequence is the candidate and the second candidate is the pattern.

Output: The number of pattern sequence appearing in the candidate sequence (in ONE line).

Example:

```
C:\ICT1002\Lab3\PatternSearching>python PatternSearching.py  
1,2,3,1,2 1,2
```

```
Pattern appears 2 time!
```