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Title: CONVERTING INTEGERS TO ROMAN NUMBERS IN PYTHON

What are ROMAN NUMERALS?

DEFINATION

A numeral system from ancient Rome using Latin letters.

Basic Symbols:

I=1, V=5, X=10, L=50, C=100, D=500, M=1000

Create Mapping

Make two lists:

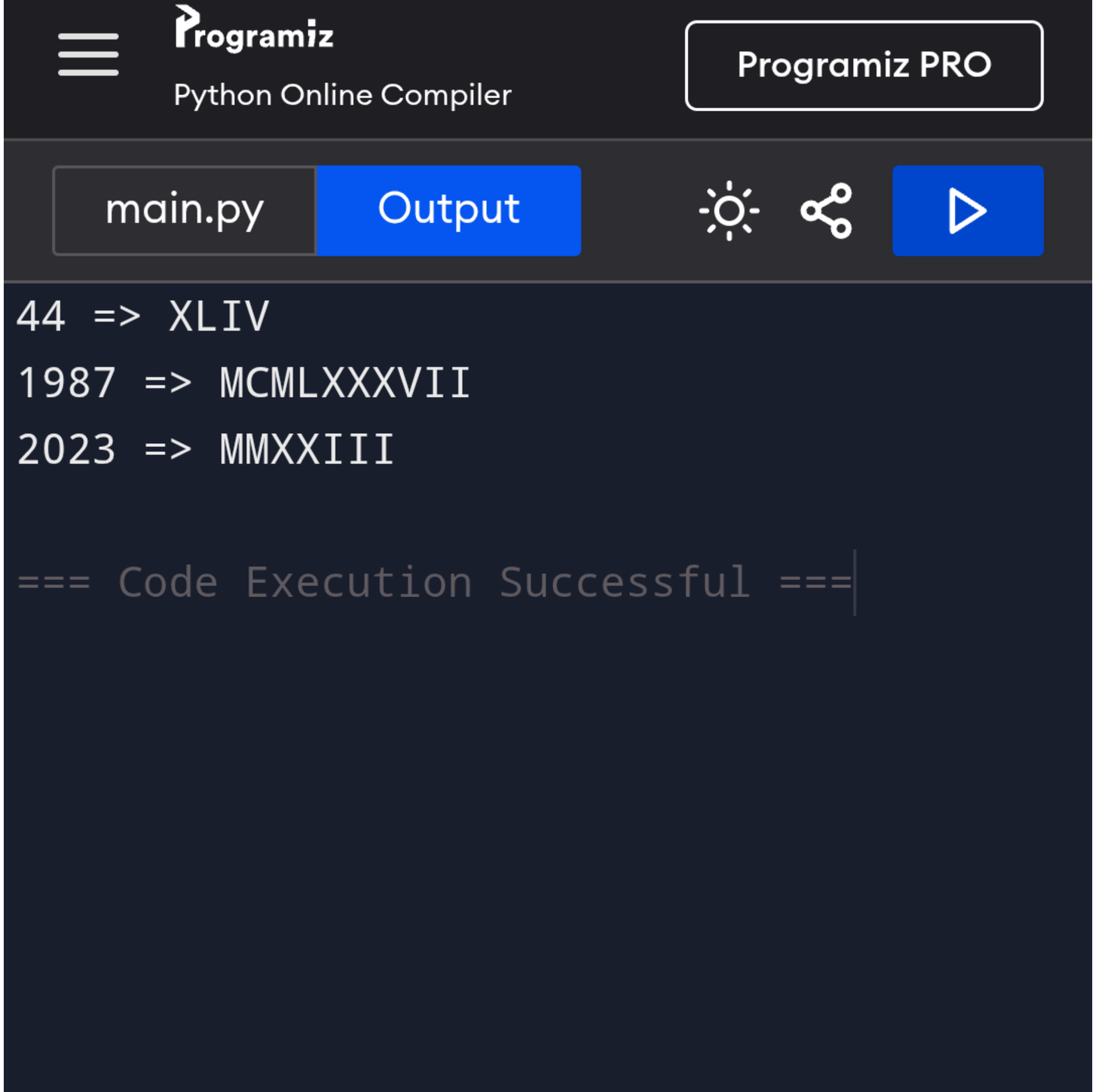
- **One with integer values: [1000, 900, 500, ..., 1]**
- **One with corresponding Roman numerals: ["M", "CM", "D", ..., "I"]**

Python Code Example

main.py | Output

```python
def int_to_roman(num):
    val = [1000, 900, 500, 400, 100
        , 90, 50, 40, 10, 9, 5, 4,
        1]
    syms = ["M", "CM", "D", "CD",
        "C", "XC", "L", "XL", "X",
        "IX", "V", "IV", "I"]
    roman_num = ""
    i = 0
    while num > 0:
        for _ in range(num //
            val[i]):
            roman_num += syms[i]
            num -= val[i]
        i += 1
    return roman_num

```


Programiz
Python Online Compiler
Programiz PRO
main.py
Output
44 => XLIV
1987 => MCMLXXXVII
2023 => MMXXIII
=== Code Execution Successful ===

Real Life Usage

Where Roman numerals are used:

- Clocks and Watches
- Book Chapters

Thank You!

ANY QUESTION!