

# LeetCode

## Day-02 Q-04 Medium: Multiply Strings

Given two non-negative integers `num1` and `num2` represented as strings, return the product of `num1` and `num2`, also represented as a string.

### Example 1:

Input: `num1 = "2"`, `num2 = "3"`

Output: `"6"`

### Example 2:

Input: `num1 = "123"`, `num2 = "456"`

Output: `"56088"`

### Note:

1. The length of both `num1` and `num2` is  $< 110$ .
2. Both `num1` and `num2` contain only digits `0-9`.
3. Both `num1` and `num2` do not contain any leading zero, except the number `0` itself.
4. You **must not use any built-in BigInteger library** or **convert the inputs to integer** directly.