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## 1071. Greatest Common Divisor of Strings

Easy  Topics  Companies  Hint

For two strings `s` and `t`, we say "`t` divides `s`" if and only if `s = t + ... + t` (i.e., `t` is concatenated with itself one or more times).

Given two strings `str1` and `str2`, return *the largest string* `x` such that `x` divides both `str1` and `str2`.

### Example 1:

**Input:** `str1 = "ABCABC", str2 = "ABC"`  
**Output:** `"ABC"`

### Example 2:

**Input:** `str1 = "ABABAB", str2 = "ABAB"`  
**Output:** `"AB"`

### Example 3:

**Input:** `str1 = "LEET", str2 = "CODE"`  
**Output:** `""`

### Constraints:

- `1 <= str1.length, str2.length <= 1000`
- `str1` and `str2` consist of English uppercase letters.

Seen this question in a real interview before? 1/4

Yes No

Accepted 306.1K Submissions 590.9K Acceptance Rate 51.8%

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