

Hidden Anagram

Source: Edabit

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Arrays, formatting, loops, sorting

Create a function that takes two strings. The first string contains a sentence containing the letters of the second string in a consecutive sequence but in a different order. The hidden anagram must contain all the letters, including duplicates, from the second string in any order and must not contain any other alphabetic characters.

Write a function to find the anagram of the second string embedded somewhere in the first string. You should ignore character case, any spaces, and punctuation marks and return the anagram as a lower case string with no spaces or punctuation marks.

Examples

```
hiddenAnagram("An old west action hero actor", "Clint Eastwood") →
"noldwestactio"
// The sequence "n old west actio" is a perfect anagram of "Clint
Eastwood".

hiddenAnagram("Mr. Mojo Rising could be a song title", "Jim Morrison")
→ "mrmojorisin"
// The sequence "Mr. Mojo Risin" ignoring the full stop, is a perfect
// anagram of "Jim Morrison".

hiddenAnagram("Banana? margaritas", "ANAGRAM") → "anamarg"
// The sequence "ana? marg" ignoring "?" is a perfect anagram of
"Anagram".

hiddenAnagram("D e b90it->?$ (c)a r...d,,#~", "bad credit") →
"debitcard"
// When all spaces, numbers and punctuation marks are removed
// from the whole phrase, the remaining characters form the sequence
// "Debitcard" which is a perfect anagram of "bad credit".

hiddenAnagram("Bright is the moon", "Bongo mirth") → "noutfond"
// The words "Bright moon" are an anagram of "bongo mirth" but they are
// not a continuous alphabetical sequence because the words "is the"
are in
// between. Hence the negative result, "noutfond" is returned.
```

Notes

- A perfect anagram contains **all the letters of the original**, in any order, no more, no less.
- If there is no hidden anagram in the sentence, return `"noutfond"`.
- As in the above examples, the hidden anagram may start or finish part way through a word and/or span multiple words and may contain punctuation marks and other non-alpha characters.

- **Ignore character case** and any embedded **non-alpha** characters.
- If there is more than 1 result in a sentence, **return the nearest to the beginning**.