Solution 1 Solution 2

Our Solution(s)

```
Run Code
```

Your Solutions

Solution 3

```
Run Code
```

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
   #include <vector>
   #include <numeric>
 5 using namespace std;
   char getNewLetter(char letter, int key, string alphabet);
   // O(n) time | O(n) space
9
10 string caesarCypherEncryptor(string str, int key) {
11
     vector<char> newLetters;
12
     int newKey = key % 26;
13
     string alphabet = "abcdefghijklmnopqrstuvwxyz";
14
     for (int i = 0; i < str.length(); i++) {</pre>
15
       newLetters.push_back(getNewLetter(str[i], newKey, alphabet));
16
17
     return string(newLetters.begin(), newLetters.end());
18 }
19
20 char getNewLetter(char letter, int key, string alphabet) {
21
     int newLetterCode = alphabet.find(letter) + key;
22
     return newLetterCode <= 25 ? alphabet[newLetterCode]</pre>
23
                                : alphabet[-1 + newLetterCode % 25];
24 }
25
```

```
Solution 1 Solution 2
1 using namespace std;
3 string caesarCypherEncryptor(string str, int key) {
    // Write your code here.
    return "";
```

Run or submit code when you're ready.

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