AlgoExpert   Quad Layout   C++   14px   Sublime   Monokai   00:00:0

Our Solution(s)   Run Code

Solution 1   Solution 2

```cpp
1  // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3  #include <vector>
4  #include <numeric>
5  using namespace std;
6
7  char getNewLetter(char letter, int key);
8
9  // O(n) time | O(n) space
10 string caesarCypherEncryptor(string str, int key) {
11   vector<char> newLetters;
12   int newKey = key % 26;
13   for (int i = 0; i < str.length(); i++) {
14     newLetters.push_back(getNewLetter(str[i], newKey));
15   }
16   return string(newLetters.begin(), newLetters.end());
17 }
18
19 char getNewLetter(char letter, int key) {
20   int newLetterCode = letter + key;
21   return newLetterCode <= 122 ? newLetterCode : 96 + newLetterCode %
22 }
23
```

Your Solutions   Run Code

Solution 1   Solution 2   Solution 3

```cpp
1  using namespace std;
2
3  string caesarCypherEncryptor(string str, int key) {
4    // Write your code here.
5    return "";
6  }
7
```

Our Tests

Custom Output   Submit Code

Run or submit code when you're ready.