

Prompt	Scratchpad	Our Solution(s)	Video Explanation	Run Code	Your Solutions	Run Code
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Solution 1Solution 2

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 class Program {
4     // O(n) time | O(n) space
5     func caesarCipherEncryptor(string: String, key: UInt32) -> String {
6         var newLetters = [Character]()
7         let newKey = key % 26
8
9         for letter in string {
10             newLetters.append(getNewLetter(letter, newKey))
11         }
12
13         return String(newLetters)
14     }
15
16     func getNewLetter(_ letter: Character, _ key: UInt32) -> Character {
17         let newLetterCode = letter.unicodeScalars.first!.value + key
18
19         let code: UnicodeScalar?
20
21         if newLetterCode <= 122 {
22             code = UnicodeScalar(newLetterCode)
23         } else {
24             code = UnicodeScalar(96 + newLetterCode % 122)
25         }
26
27         return Character(code!)
28     }
29 }
30
```

Solution 1Solution 2Solution 3

```
1 class Program {
2     func caesarCipherEncryptor(string: String, key: UInt32) -> String {
3         // Write your code here.
4         return ""
5     }
6 }
7
```

Custom Output

Raw Output

Submit Code

Run or submit code when you're ready.