Our Solution(s) Run Code

Solution 1   Solution 2

```csharp
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public class Program {
  // O(n) time | O(n) space
  public static string CaesarCypherEncryptor(string str, int key) {
    char[] newLetters = new char[str.Length];
    int newKey = key % 26;
    string alphabet = "abcdefghijklmnopqrstuvwxyz";
    for (int i = 0; i < str.Length; i++) {
      newLetters[i] = getNewLetter(str[i], newKey, alphabet);
    }
    return new string(newLetters);
  }

  public static char getNewLetter(char letter, int key, string alphabe
    int newLetterCode = alphabet.IndexOf(letter) + key;
    return newLetterCode <=
          25 ? alphabet[newLetterCode] : alphabet[-1 + newLetterCode
  }
}
```

Your Solutions Run Code

Solution 1   Solution 2   Solution 3

```csharp
public class Program {
  public static string CaesarCypherEncryptor(string str, int key) {
    // Write your code here.
    return null;
  }
}
```

Our Tests

Custom Output Submit Code

Run or submit code when you're ready.