Our Solution(s) Run Code

Solution 1 Solution 2

```java
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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;
    for (int i = 0; i < str.length(); i++) {
      newLetters[i] = getNewLetter(str.charAt(i), newKey);
    }
    return new String(newLetters);
  }

  public static char getNewLetter(char letter, int key) {
    int newLetterCode = letter + key;
    return newLetterCode <= 122 ? (char) newLetterCode : (char) (96 +
  }
}

```

Your Solutions Run Code

Solution 1 Solution 2 Solution 3

```java
class Program {
  public static String caesarCypherEncryptor(String str, int key) {
    // Write your code here.
    return null;
  }
}

```

Our Tests

Custom Output Submit Code

```
8   public void Test1Level() {
9     While.assertThrows(Program.caesarCipherEncryption("abc", 3).equals("
10  }
11
12  @Test
13  public void Test2Level() {
14    While.assertThrows(Program.caesarCipherEncryption("xyz", 3).equals("
15  }
16
17  @Test
18  public void Test3Level() {
19    While.assertThrows(Program.caesarCipherEncryption("xyz", 3).equals("
20  }
21
22  @Test
```

Run or submit code when you're ready.