

Try creating your own mapping of letters to codes. In other words, try associating each letter in the alphabet with a specific number - its position in the alphabet, for instance - and using that to determine which letters the input string's letters should be mapped to.

Hint 3

How do you handle cases where a letter gets shifted to a position that requires wrapping around the alphabet? What about cases where the key is very large and causes multiple wrappings around the alphabet? The modulo operator should be your friend here.

Optimal Space & Time Complexity

O(n) time | O(n) space - where n is the length of the input string