

```
1  ALPHABET =  
2  ["A", "B", "C", "D", "E", "F", "G", "H", "I", "J", "K", "L", "M", "N", "O", "P", "Q", "R", "S", "T", "U", "V", "W", "X", "Y", "Z"]  
3  def encrypt(word, key):  
4      encrypted_result = ""  
5      for original_character in word:  
6          # Get index (position) of original character  
7          alphabetic_index = ALPHABET.index(original_character)  
8  
9          # If index is valid (non-negative)  
10         if alphabetic_index >= 0:  
11  
12             # Compute new index (add key, mod in case goes past end)  
13             new_index = alphabetic_index + key  
14             new_index = new_index % len(ALPHABET)  
15  
16             # Get the new character (convert from index to letter)  
17             new_character = ALPHABET[new_index]  
18  
19             # Add the new shifted character to the encrypted result  
20             encrypted_result += new_character  
21  
22             # Otherwise we'll keep the original character  
23         else:  
24             encrypted_result += original_character  
25     return encrypted_result  
26  
27 message = input("Enter a word to Enrcrypt: ")  
28 shift = int(input("Please enter a shift: "))  
29  
30 print("Encrypting with a Caesar Cipher...")  
31  
32 print(encrypt(message.upper(), shift))
```