```python
import random

import string


chars = " " + string.whitespace + string.punctuation + string.digits + string.ascii_letters

chars = list(chars)

key = chars.copy()


random.shuffle(key)

print(f"chars: {chars}")

print(f"key  : {key}")


#DECRYPT

cipher_text = input("Enter a message to encrypt: ")

plain_text = ""


for letter in cipher_text:

    index = key.index(letter)

    plain_text += chars[index]


    print(f"encrypted message: {cipher_text}")

    print(f"original message: {plain_text}")

    # DECRYPT

    cipher_text = input("Enter a message to encrypt: ")

    plain_text = ""
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    for letter in cipher_text:

        index = key.index(letter)

        plain_text += chars[index]



        print(f"encrypted message: {cipher_text}")

        print(f"original message: {plain_text}")
```

"C:\Users\Vanaja Asmath\AppData\Local\Programs\Python\Python312\python.exe" "C:\Users\Vanaja Asmath\PycharmProjects\pythonProject\vanaja.py"

chars: [' ', ' ', '\t', '\n', '\r', '\x0b', '\x0c', '!', '"', '#', '$', '%', '&', "'", '(', ')', '*', '+', ',', '-', '.', '/', ':', ';', '<', '=', '>', '?', '@', '[', '\\', ']', '^', '_', '`', '{', '|', '}', '~', '0', '1', '2', '3', '4', '5', '6', '7', '8', '9', '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', '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']

key : ['z', 'Z', 'g', '<', 'E', 'L', '4', "'", 'p', 'P', '9', 'M', '&', '^', '8', 'q', 'D', '3', ' ', 'W', 'k', ':', '|', 'V', ',', 'F', 'u', 't', '}', 'm', '(', 'H', 'R', 'e', '\x0b', '"', 'K', 'C', '!', 'y', '@', ']', '1', 'N', 'J', 'c', 'w', '\\', '\n', 'd', 'l', 'X', ' ', '\t', 'I', '_', '[', 'Q', 's', 'j', 'U', 'a', 'x', 'A', 'O', '*', '`', 'S', '.', '-', 'f', 'B', 'o', '\r', '?', 'Y', '6', '~', '0', '%', '{', '>', '\x0c', 'h', 'r', '=', 'i', '+', '7', '#', 'v', '/', '$', 'b', 'G', '5', 'T', 'n', ')', '2', ';']

Enter a message to encrypt: I LIKE SURE TRUST

encrypted message: I LIKE SURE TRUST

original message: f

Enter a message to encrypt: I LIKE SURE TRUST

encrypted message: I LIKE SURE TRUST

original message: f

encrypted message: I LIKE SURE TRUST

original message: f,

encrypted message: I LIKE SURE TRUST

original message: f,

encrypted message: I LIKE SURE TRUST

original message: f,
f

encrypted message: I LIKE SURE TRUST

original message: f,
f|

encrypted message: I LIKE SURE TRUST

original message: f,
f|

encrypted message: I LIKE SURE TRUST

,

encrypted message: I LIKE SURE TRUST

,s

encrypted message: I LIKE SURE TRUST

,sl

encrypted message: I LIKE SURE TRUST

,sl^

encrypted message: I LIKE SURE TRUST

,sl^

encrypted message: I LIKE SURE TRUST

,

encrypted message: I LIKE SURE TRUST

,V

encrypted message: I LIKE SURE TRUST

,V^

encrypted message: I LIKE SURE TRUST

,V^l

encrypted message: I LIKE SURE TRUST

,V^ls

encrypted message: I LIKE SURE TRUST

,V^lsV

encrypted message: I LIKE SURE TRUST

,V^lsV,

Enter a message to encrypt: