In [1]:

```python
#encryption
plainText = input("Enter message to be encrypted : ")
shift = int(input("What is your shift/key? "))

def caesar(plainText, shift):
    cipherText = ""
    for ch in plainText:
        if ch.isalpha():
            stayInAlphabet = ord(ch) + shift
            if stayInAlphabet > ord('z'):
                stayInAlphabet -= 26
            finalLetter = chr(stayInAlphabet)
        cipherText += finalLetter

    print("Cipher text is: ", cipherText)

    return cipherText

caesar(plainText, shift)
```

```
Enter message to be encrypted : hello
What is your shift/key? 3
Cipher text is:  khoor
```

Out[1]:

```
'khoor'
```

In [2]:

```python
#decryption
plainText = input("Enter message to be decrypted : ")
shift = int(input("What is your shift/key? "))

def caesar(plainText, shift):
    cipherText = ""
    for ch in plainText:
        if ch.isalpha():
            stayInAlphabet = ord(ch) - shift
            if stayInAlphabet > ord('z'):
                stayInAlphabet -= 26
            finalLetter = chr(stayInAlphabet)
        cipherText += finalLetter

    print("Cipher text is: ", cipherText)

    return cipherText

caesar(plainText, shift)
```

```
Enter message to be decrypted : khoor
What is your shift/key? 3
Cipher text is:  hello
```

Out[2]:

```
'hello'
```

In [ ]: