In [11]:
```
string = input('Enter a message: ')
shift=3
var=[]
# print(type(var))
# encrypting the message
for i in string:
    # ord() is used to convert string to ascci value of a number
    v = ord(i)
    v = v + shift
#     print(type(v))
    var.append(v)
print('\n String after encrypting : \n')
for i in var:
    # chr() is used to convert ascci value of a number to string
    x = chr(i)
    print(x,end="")
print('\n String after decrypting : \n')
# decrytping the message
for i in var:
    y = i - shift
    y = chr(y)
    print(y,end="")
```

```
Enter a message: hi hello HOW ARE You

 String after encrypting :

kl#khoor#KRZ#DUH#\rx
 String after decrypting :

hi hello HOW ARE You
```

In [12]:
```
# Same Code but Reduced few Lines
string = input('Enter a message : ')
var=[]
# print(type(var))
# encrypting the message
for i in string:
    # ord() is used to convert string to ascci value of a number
    v = (ord(i)) + 3
    var.append(v)
print('\n String after encrypting : \n')
for i in var:
    # chr() is used to convert ascci value of a number to string
    x = chr(i)
    print(x,end="")
print('\n String after decrypting : \n')
# decrytping the message
for i in var:
    y = chr (i - 3 )
    print(y,end="")
```

```
Enter a message : Is your number xxxxxx1234?

 String after encrypting :

Lv#|rxu#qxpehu#{{{{{{4567B
 String after decrypting :

Is your number xxxxxx1234?
```

In [ ]: