2/16/2021 Ceaser Cipher

## In [3]:

```
#A python program to illustrate Caesar Cipher Technique
def encrypt(message,key):
   result = ""
    # traverse text
    for i in range(len(message)):
        char = message[i]
        # Encrypt uppercase characters
        if (char.isupper()):
            result += chr((ord(char) + key-65) % 26 + 65)
              print(result)
#
        # Encrypt Lowercase characters
        elif char.islower():
            result += chr((ord(char) + key - 97) \% 26 + 97)
        else:
            result += char
    return result
#check the above function
message = "middle-Outz"
key = 2
print ("Text : " + message)
print ("Key : " + str(key))
print ("Cipher: " + encrypt(message,key))
```

Text : middle-Outz

Key : 2

Cipher: okffng-Qwvb

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## In [42]:

S P S S P S S P S S P S 3

## In [1]:

```
def caesarCipher(s, k):
    y='abcdefghijklmnopqrstuvwxyz'
    z=y[k:]+y[0:k]
    p='ABCDEFGHIJKLMNOPQRSTUVWXYZ'
    q=p[k:]+p[0:k]
    r=''
    d=\{\}
    for i,j in zip(y,z):
        d[i]=j
    for i,j in zip(p,q):
        d[i]=j
    for i in s:
        if i in d:
            r=r+d[i]
        else:
            r=r+i
    return r
```

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```
In [21]:
```

```
caesarCipher('abc', 26)
Out[21]:
'abc'
In [ ]:
def encrypt(message,key):
    result = ""
    for i in range(len(message)):
        char = message[i]
    if (char.isupper()):
            result += chr((ord(char) + key-65) % 26 + 65)
              print(result)
        elif char.islower():
            result += chr((ord(char) + key - 97) \% 26 + 97)
        else:
            result += char
    return result
message = "middle-Outz"
key = 2
print ("Text : " + message)
print ("Key : " + str(key))
print ("Cipher: " + encrypt(message,key))
```