

CYBER SECURITY
ASSIGNMENT
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1. Implementation of Cipher technique in Jupyter notebook using python.

CODES

```
message = input('Enter the message')
k = input('Enter the key value')
if k.isupper():
    k = Ord(k)
elif k.islower():
    k = Ord(k)
else:
    k = int(k)
def encrypt(message,k):
    cypher = ""
    for i in message:
        if i.isupper():
            cypher += chr((Ord(i)+k-65)%26+65)
        elif i.islower():
            cypher += chr((ord(i)+k-97)%26+97)
        else:
            cypher += " "
    return cypher
print('the encrypted message is: ',encrypt(message,k))
emessage = encrypt(message,k)
print(emessage)
def decrypt(emessage,k):
    decypher = ""
    for i in emessage:
        if i.isupper():
            decypher += chr((ord(i)-k-65)%26+65)
        elif i.islower():
            decypher += chr((ord(i)-k-97)%26+97)
        else:
            decypher += " "
    return decypher
print('the decryptd message is: ',decrypt(emessage,k))
```

2. OUTPUT

```
Enter the message om
Enter the key value a
the encrypted message is: hf
hf
the decryptd message is: om
```