Ques4. Implement monoalphabetic and polyalphabetic cipher substitution operation...

Ans --- Monoalphabetic cipher substitution

```
# CSC/20/50 Bharat_Sharma Univ_Roll_No:20059570040

from itertools import permutations

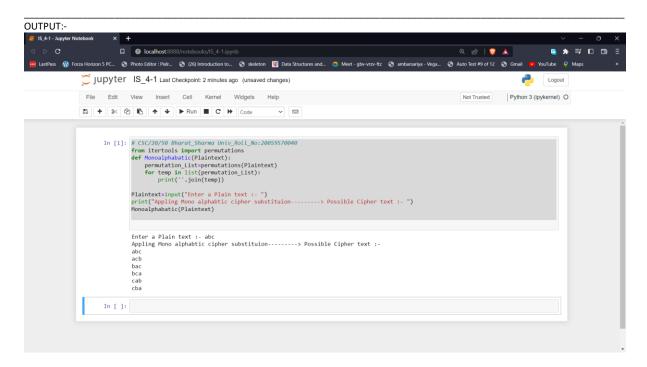
def Monoalphabatic(Plaintext):
    permutation_List=permutations(Plaintext)

for temp in list(permutation_List):
    print(".join(temp))

Plaintext=input("Enter a Plain text :- ")

print("Appling Mono alphabtic cipher substituion------> Possible Cipher text :- ")

Monoalphabatic(Plaintext)
```



Ans ---Polyalphabetic cipher substitution

```
# CSC/20/50 Bharat_Sharma Univ_Roll_No:20059570040
from itertools import permutations

def polyalphabatic(Plaintext,key):
    result = []
    for i in range(len(Plaintext)):
        x = (ord(Plaintext[i]) +ord(key[i % len(key)])) % 26
        x += ord('A')
        result.append(chr(x))
    print("" . join(result))

Plaintext=input("Enter a Plain text :- ")
key=input("Enter a Key :- ")
print("Appling Poly alphabtic cipher substituion------> Possible Cipher text :- ")
polyalphabatic(Plaintext,key)
```

OUTPUT:-

```
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