

The screenshot shows a Windows desktop environment. In the background, a text editor window titled 'Cipher.py - C:\Users\ASUS\Documents\Amrita Kollam\Semester 1\Assignments\Network Security\Cipher.py (3.8.3)' is open. It contains a Python script for a Caesar cipher. In the foreground, a 'Python 3.8.3 Shell' terminal window is open, showing the execution of the script. The terminal output shows the user entering a key of 4 and a mode of 'Encrypt', followed by the text 'Saminamina aye aye waka waka aye aye' being encrypted to 'Wegmreqmre eCi eCi Aeoe Aeoe eCi eCi'. Then, the user enters a mode of 'Decrypt', and the text is decrypted back to 'Saminamina aye aye waka waka aye aye'.

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Cipher.py - C:\Users\ASUS\Documents\Amrita Kollam\Semester 1\Assignments\Network Security\Cipher.py (3.8.3)
File Edit Format Run Options Window Help
Letters_list = "ABCDEFGHIIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz"
def Encrypt_Ceasar_Cipher(message):
    text = ""
    key = input ("Select your Key From 0 to 26 : ")
    mode = input("Select your Mode 'Encrypt' or 'Decrypt' : ")
    for i in message:
        if i in Letters_list:
            num = Letters_list.find(i)
            if mode == "Encrypt":
                num += int(key)
            elif mode == "Decrypt":
                num -= int(key)
            if num >= len(Letters_list):
                num = num - len(Letters_list)
            elif num < 0:
                num += len(Letters_list)
            text += Letters_list[num]
        else:
            text += i
    return text
message = input("Enter your text\n")
print (Encrypt_Ceasar_Cipher(message))

Python 3.8.3 Shell
File Edit Shell Debug Options Window Help
Python 3.8.3 (tags/v3.8.3:6f8c832, May 13 2020, 22:37:02) [MSC v.1924 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\Users\ASUS\Documents\Amrita Kollam\Semester 1\Assignments\Network Security\Cipher.py
Enter your text
Saminamina aye aye waka waka aye aye
Select your Key From 0 to 26 : 4
Select your Mode 'Encrypt' or 'Decrypt' : Encrypt
Wegmreqmre eCi eCi Aeoe Aeoe eCi eCi
>>>
= RESTART: C:\Users\ASUS\Documents\Amrita Kollam\Semester 1\Assignments\Network Security\Cipher.py
Enter your text
Wegmreqmre eCi eCi Aeoe Aeoe eCi eCi
Select your Key From 0 to 26 : 4
Select your Mode 'Encrypt' or 'Decrypt' : Decrypt
Saminamina aye aye waka waka aye aye
>>> |
```

Program is done in python

```
Letters_list = "ABCDEFGHIIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz"
def Encrypt_Ceasar_Cipher(message):
    text = ""
    key = input ("Select your Key From 0 to 26 : ")
    mode = input("Select your Mode 'Encrypt' or 'Decrypt' : ")
    for i in message:
        if i in Letters_list:
```

```
        num = Letters_list.find(i)
        if mode == "Encrypt":
            num += int(key)
        elif mode == "Decrypt":
            num -= int(key)
        if num >= len(Letters_list):
            num = num - len(Letters_list)
        elif num < 0:
            num += len(Letters_list)
        text += Letters_list[num]
    else:
        text += i
    return text
message = input("Enter your text\n")
print (Encrypt_Ceasar_Cipher(message))
```