Expt.No: 1 **Roll.No:** 210701314
Date:

Caesar Cipher

Aim:

To implement encryption & decryption in Caesar cipher.

Algorithm:

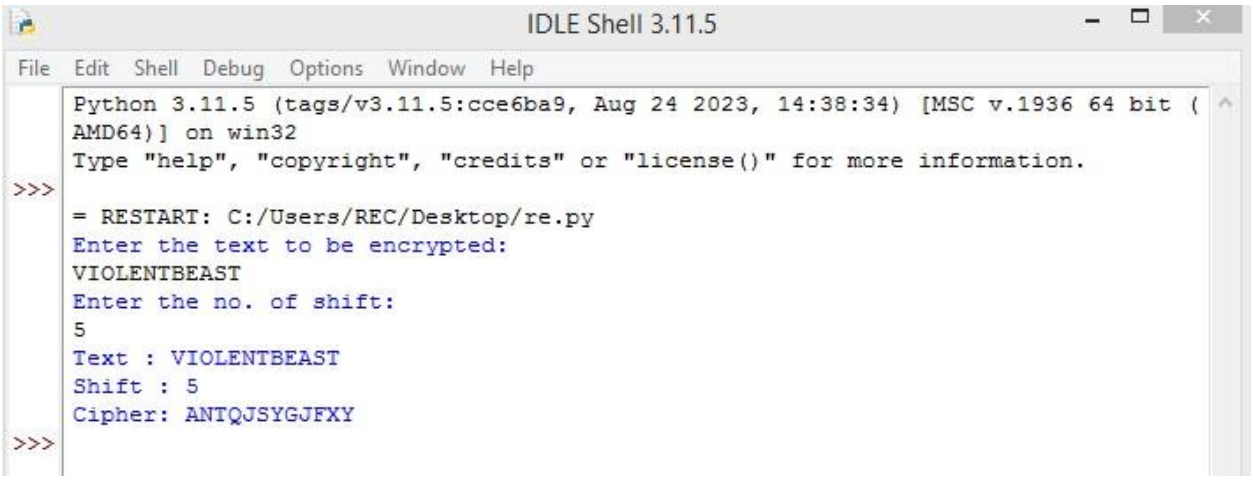
Step 1: Get the plain text from the user.
Step 2: Get the shift value between 1 & 25 from the user.
Step 3: Create a new alphabet by shifting each letter by the shift value.
Step 4: Replace each letter of the message with the corresponding letter of the new alphabet.
Step 5: Print the encrypted message as output.

Program:

```
def encrypt(text,s):
        result = ""    for i in
range(len(text)):
  char = text[i]   if
(char.isupper()):
                        result += chr((ord(char) + s-65) % 26 + 65)
else:
   result += chr((ord(char) + s - 97) % 26 + 97)  return result

text = input(“Enter the text to be encrypted: \n”)
s = int(input(“Enter the no. of shift: \n”)) print
("Plain Text : " + text) print ("Shift pattern : " +
str(s)) print ("Cipher text: " + encrypt(text,s))
```

Output:



Result:

Thus the encryption & decryption in caesar cipher using python is implemented.