```python
# Create a Array of Alphabet letters for encryption and decryption
alphabet =['a', 'b', 'c', 'd', 'e', 'f',
           'g', 'h', 'i', 'j', 'k', 'l',
           'm', 'n', 'o', 'p', 'q', 'r',
           's', 't', 'u', 'v', 'w', 'x', 'y', 'z']

# Using Shift Key we will be encrypting the plain_test into cipher_text
new *
def encryption(plain_text,shift_key):
 cipher_text=""

 for char in plain_text:

     # Take each char from the given work and compare it with the alphabet array with its index value
  position = alphabet.index(char)

     # Formula to make the shift key move within the alphabet array
  new_position = (position+shift_key)%26
  cipher_text += alphabet[new_position]

 print(f"Encrypted Message :{cipher_text}")

# method for decryption
new *
def decryption(cipher_text,shift_key):
 plain_text=""

 for char in cipher_text:
    position = alphabet.index(char)
    new_position =(position-shift_key)%26
    plain_text += alphabet[new_position]
```

```
def encryption(plain_text,shift_key):
 print(f"Encrypted Message :{cipher_text}")

# method for decryption
new *
def decryption(cipher_text,shift_key):
 plain_text=""

 for char in cipher_text:
    position = alphabet.index(char)
    new_position =(position-shift_key)%26
    plain_text += alphabet[new_position]

 print(f"Decrypted Message : {plain_text} ")




choice =input("Encryption 'Encrypt' or Decryption 'Decrypt': \n")
text = input("Enter the text you want to encrypt \n")
shift = int(input("Enter you shift key \n"))

if choice == "Encrypt":
    encryption(plain_text=text,shift_key=shift)

elif choice == "Decrypt":
     decryption(cipher_text=text,shift_key=shift)
```


Run
caesar_cipher
C:\Users\sonia\PycharmProjects\CaesarCipher\venv\Scripts\python.exe C:\Users\sonia\PycharmProjects\CaesarCipher\caesar_cipher.py
Encryption 'Encrypt' or Decryption 'Decrypt':
Encrypt
Enter the text you want to encrypt
moonlight
Enter you shift key
9
Encrypted Message :vxxwurpqc
Process finished with exit code 0


Run
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C:\Users\sonia\PycharmProjects\CaesarCipher\venv\Scripts\python.exe C:\Users\sonia\PycharmProjects\CaesarCipher\caesar_cipher.py
Encryption 'Encrypt' or Decryption 'Decrypt':
Decrypt
Enter the text you want to encrypt
vxxwurpqc
Enter you shift key
9
Decrypted Message : moonlight
Process finished with exit code 0