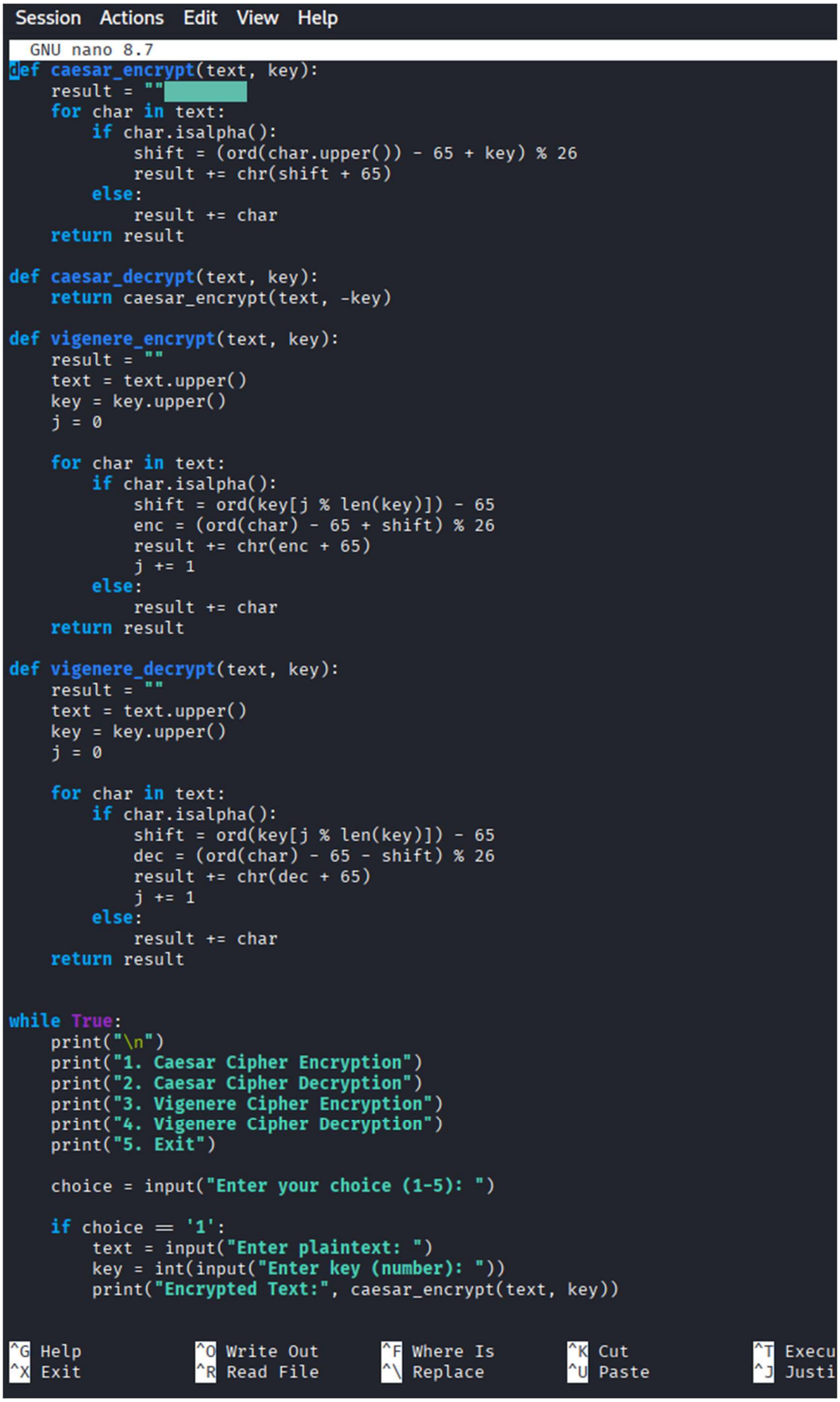
```
Session  Actions  Edit  View  Help

┌──(anki㉿kali)-[~/Exp1]
└─$ nano CaesarVigenere.py

┌──(anki㉿kali)-[~/Exp1]
└─$ python3 CaesarVigenere.py

1. Caesar Cipher Encryption
2. Caesar Cipher Decryption
3. Vigenere Cipher Encryption
4. Vigenere Cipher Decryption
5. Exit
Enter your choice (1-5): 1
Enter plaintext: Ankit
Enter key (number): 2
Encrypted Text: CPMKV

1. Caesar Cipher Encryption
2. Caesar Cipher Decryption
3. Vigenere Cipher Encryption
4. Vigenere Cipher Decryption
5. Exit
Enter your choice (1-5): 2
Enter ciphertext: CPMKV
Enter key (number): 2
Decrypted Text: ANKIT

1. Caesar Cipher Encryption
2. Caesar Cipher Decryption
3. Vigenere Cipher Encryption
4. Vigenere Cipher Decryption
5. Exit
Enter your choice (1-5): 3
Enter plaintext: ankit
Enter keyword: abc
Encrypted Text: AOMIU

1. Caesar Cipher Encryption
2. Caesar Cipher Decryption
3. Vigenere Cipher Encryption
4. Vigenere Cipher Decryption
5. Exit
Enter your choice (1-5): 4
Enter ciphertext: AOMIU
Enter keyword: abc
Decrypted Text: ANKIT

1. Caesar Cipher Encryption
2. Caesar Cipher Decryption
3. Vigenere Cipher Encryption
4. Vigenere Cipher Decryption
5. Exit
Enter your choice (1-5):
```


Session Actions Edit View Help
GNU nano 8.7
def caesar_encrypt(text, key):
result = ""
for char in text:
if char.isalpha():
shift = (ord(char.upper()) - 65 + key) % 26
result += chr(shift + 65)
else:
result += char
return result
def caesar_decrypt(text, key):
return caesar_encrypt(text, -key)
def vigenere_encrypt(text, key):
result = ""
text = text.upper()
key = key.upper()
j = 0
for char in text:
if char.isalpha():
shift = ord(key[j % len(key)]) - 65
enc = (ord(char) - 65 + shift) % 26
result += chr(enc + 65)
j += 1
else:
result += char
return result
def vigenere_decrypt(text, key):
result = ""
text = text.upper()
key = key.upper()
j = 0
for char in text:
if char.isalpha():
shift = ord(key[j % len(key)]) - 65
dec = (ord(char) - 65 - shift) % 26
result += chr(dec + 65)
j += 1
else:
result += char
return result
while True:
print("\n")
print("1. Caesar Cipher Encryption")
print("2. Caesar Cipher Decryption")
print("3. Vigenere Cipher Encryption")
print("4. Vigenere Cipher Decryption")
print("5. Exit")
choice = input("Enter your choice (1-5): ")
if choice == '1':
text = input("Enter plaintext: ")
key = int(input("Enter key (number): "))
print("Encrypted Text:", caesar_encrypt(text, key))
^G Help
^X Exit
^O Write Out
^R Read File
^F Where Is
^\ Replace
^K Cut
^U Paste
^T Execu
^J Justi