Expt.No: 3 **Roll.No:** 210701314
Date:

Railfence Cipher

Aim:

To implement encryption of plain text using Railfence Cipher.

Algorithm:

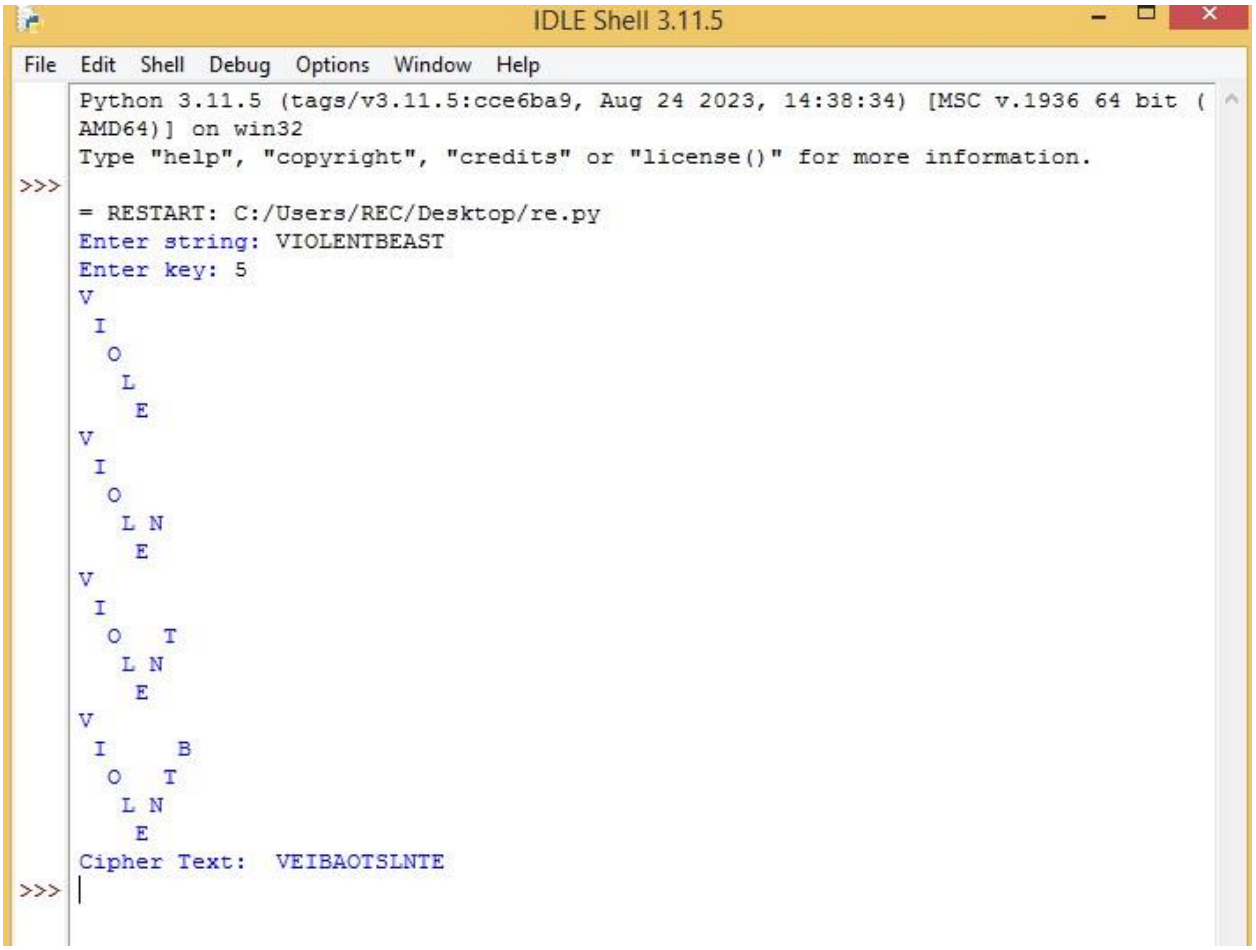
Step 1: Get the message from the user.
Step 2: Divide the message info into rows.
Step 3: Write diagonally.
Step 4: Read by column & print the result as output.

Program:

```
s=input("Enter string: ") k=int(input("Enter
key: "))
enc=[[" " for i in range(len(s))] for j in range(k)]
flag=0 row=0 for i in range(len(s)):
enc[row][i]=s[i] if row==0: flag=0 elif
row==k-1:
   flag=1
if flag==0:
row+=1
else:
   row-=1 for i
in range(k):
     print("".join(enc[i]))
     ct=[] for i in
range(k):
   for j in range(len(s)):
if enc[i][j]!=' ':
```

```
ct.append(enc[i][j])
cipher="".join(ct)
print("Cipher Text: ",cipher)
```

Output:



Result: Thus the encryption of plain text using railfence cipher is implemented.