**Ques 8.** Implement row transposition cipher transposition operation.

Ans:-

# CSC/20/50 Bharat Sharma UNIV\_ROLL\_NO:- 20059570040

import re

def convert(pt,d):

text=""

for i in d:

i=i-1

j=0

while (j\*max(d))+i<len(pt):

text+=pt[(j\*max(d))+i]

j+=1

return text

def create\_matrix(pt,c):

pt=pt.replace(" ","")

pt=pt.lower()

pt=re.sub('[^a-zA-Z]+', '', pt)

res = [str(sub) for sub in pt]

print("Cypher text is :- ",convert(res,c))

plaintext=input("Enter Plain Text for Row Transposition Operation ")

key=input("Enter Key :- ")

keys = [int(i) for i in key]

matrix=create\_matrix(plaintext,keys)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_OUTPUT:-

