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ROLL NO: CSC/21/55

8. Implement row transposition cipher transposition operation.

Ans:-

```
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 ��

```
#CSC/21/5 UDDDHISUTA BAKSHI
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)
```

```
Enter Plain Text for Row Transposition Operation CALL ME
Enter Key :- 324
Cypher text is :-  lael
```