

NAME: Khushi Chhatwani
ROLL NO: CSC/21/55

7. Implement rail fence cipher transposition operation.

Ans:-

```
def convert(pt,d):
    text=""
    for i in range(d):
        j=0
        while (j*d)+i<len(pt):
            text+=pt[(j*d)+i]
            j+=1
    return text
plaintext=input("Enter Plain Text for Rail Fence Transposition Operation ")
Depth=int(input("Enter Depth :- "))
ciphertext=convert(plaintext,Depth)
print("Cypher text is :- ",ciphertext)
```

OUTPUT:

```
#CSC/21/5 UDDHISUTA BAKSHI
def convert(pt,d):
    text=""
    for i in range(d):
        j=0
        while (j*d)+i<len(pt):
            text+=pt[(j*d)+i]
            j+=1
    return text
plaintext=input("Enter Plain Text for Rail Fence Transposition Operation ")
Depth=int(input("Enter Depth :- "))
ciphertext=convert(plaintext,Depth)
print("Cypher text is :- ",ciphertext)
```

```
Enter Plain Text for Rail Fence Transposition Operation UDDHISUTA 3
Enter Depth :- 3
Cypher text is :-  UHU DIT3DSA
```