

**Ques 7.** Implement rail fence cipher transposition operation.

Ans:-

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

```
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
```

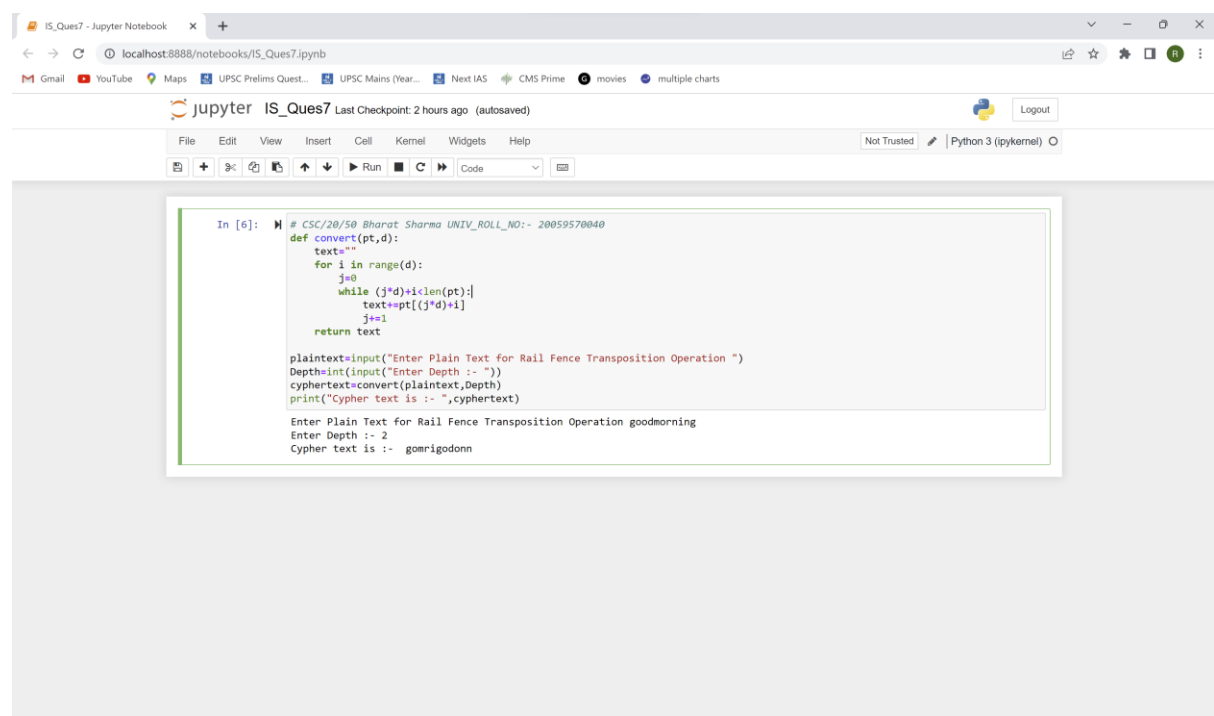
```
plaintext=input("Enter Plain Text for Rail Fence Transposition Operation ")
```

```
Depth=int(input("Enter Depth :- "))
```

```
cyphertext=convert(plaintext,Depth)
```

```
print("Cypher text is :- ",cyphertext)
```

OUTPUT:-



```
In [6]: # CSC/20/50 Bharat Sharma UNIV_ROLL_NO:- 20059570040
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 :- "))
cyphertext=convert(plaintext,Depth)
print("Cypher text is :- ",cyphertext)

Enter Plain Text for Rail Fence Transposition Operation goodmorning
Enter Depth :- 2
Cypher text is :-  gomrigodonn
```