

DATE...13 Oct 22

EXP. No.....

Activity 5: Write a program to reverse every k^{th} row in a matrix

```
def reverse - kth rows(matrix, k):
    for i in range(0, len(matrix), k):
        matrix[i:i+k] = matrix[i:i+k][::-1]
    matrix = [
        [1, 2, 3],
        [4, 5, 6],
        [7, 8, 9],
        [10, 11, 12].
    ]
```

$k = 2$

```
reverse - kth rows(matrix, k)
for row in matrix:
    print(row)
```

The original list is : [[5, 3, 2], [8, 6, 3], [3, 5, 2], [3, 6], [3, 7, 4], [2, 9]]
 Enter the row value want to reverse : 2
 After reversing every kth row :
 [5, 3, 2]
 [3, 6, 8]
 [3, 5, 2]
 [6, 3]
 [3, 7, 4]
 [9, 2]

12/12