Lec22

20 February 2026 09:15 AM

n^2

→ [1, 2, 3, 4, 5, 6, 7]

i i i i k k k

[5, 6, 7, 1, 2, 3, 4]

$k = 3 > n$

→ [5 6 7 1 2 3 4]

i i i i i i i

[7 6 5 3 2 1]

i i i j j j j

```
while (i < j){
temp = arr[i]
arr[i] = arr[j]
arr[j] = temp
i++
j--
}
```

[1, 2, 3, 4, 5, 6, 7]

k = 3

[1, 2, 3, 4, 5, 6, 7] k = 3

[7, 6, 5, 4, 3, 2, 1]

0 1 2 k-1

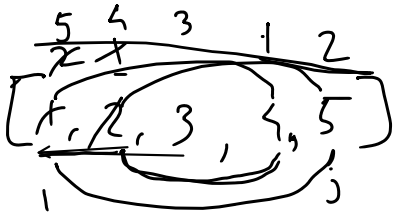
[5, 6, 7, 4, 3, 2, 1]

→ [5, 6, 7, 1, 2, 3, 4]

reverse(arr, 0, n-1)

reverse(arr, 0, k-1)

reverse(arr, k, n-1)



→ [3, 4, 5, 1, 2]

[5, 4, 3, 2, 1]

→ [4, 5, 1, 2, 3]

k = 3

→ reverse(arr, 0, k-1)

→ [5 4 3 1 2]

i j

reverse(arr, 0, n-1)

[5, 4, 3, 1, 2]

0 d

[3, 4, 5, 1, 2]