

Reversal of Array

$n=6$

| | | | | | |
|--------------|--------------|--------------|---------------|---------------|---------------|
| 0 | 1 | 2 | 3 | 4 | 5 |
| 2 | 4 | 8 | 10 | 12 | 14 |
| 14 | 12 | 10 | 8 | 4 | 2 |
| 0 | 1 | 2 | 3 | 4 | 5 |
| 14 | 12 | 10 | 8 | 4 | 2 |

Time complexity = $O(n)$

for($i=0$; $i < n/2$; $i++$) {

 swap(arr[i], arr[n-i-1]);
 2 6-2-1

{

$i=0$ swap { 2 2 2 14 }

$i=1$ swap { 4 2 2 12 }

$i=2$ swap { 8 2 2 10 }

}

Space complexity = $O(1)$