

Q7	Rotate an avvay.
302	335,000
(i)	Clochwin
(1)	Clockwise direx by k steps
	i/p→ {1,2,3,4,5,6,73
17	R=3 0/b - {5,6,7, 1,2,3,43
1 Pra	0/6 7 (3,6,7,7) (74,3,4)
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	First of all we need to make swee that k lies blue 0 to ending index. This can be
	lies blue 0 to ending index. This can be
	made sure hu mad sheretime late inch from to
13/2	made sure by mod operation. We just have to follow 3 steps to rotate the array.
118 118	Torrow 5 Steps To rotate The array.
IJ	Reverse the whole array. Reverse the left part of array i.e 0 to K-1 index.
ع)	Reverse the left bart of array i.e 0 to K-1
	index ·
1000	MACA
3)	Reverse the right part of array i.e k to ending
	index.
	Dry run 51 2.3 4.5 6.73 4-2
	$\{1,2,3,4,5,6,73\}$ $k=3$
1)	Reverse the Whole armay {7, 6, 5, 4, 3, 2, 13
	17, 6, 5, 4, 3, 2, 13
2)	Reverse the left part of array i.e 0 to 2
7	6 / 0
	{5,6,7,4,3,2,13
Z)	Reverse-the right part of array i.e 3 to 6
2)	revolse munique pour sparse
	{5,6,7,1,2,3,43

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<int>4 nums, intell</int>
nge
·size();
nums end())
nums·begin()+k)
k, nums end());
7)
<i>" "</i>
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The second secon
ake swee that
d index. This can
avray.
au i.e. 0 to

	Page
	Code
	void rotate Clockwise (vector <int>4 nums, int)</int>
	Void rotale Ciockrise // k Should be in range
	if (k > nums size()) {
	k = k % nums.size();
	K = K / 0 1100172 = 1
	3
	//Revouse array
	reverse (nums begin (), nums end ());
	1/ Revenue left bart
	reverse (nums.begin(), nums.begin()+k)
	// Reverse right bart
	reverse (nums. begin() + k, nums.end());
	// print the array for (auto i: nums) {
	for (auto i: nums)?
·	cout << (' << " ');
	3
·	3
· _	
(ii)	Anticlockwise direx by k steps
	$i/p \rightarrow \{1,2,3,4,5\}$ $k=2$ $0/p \rightarrow \{3,4,5,1,2\}$
	0/b→ {3,4,5,1,2}
Trans.	First of all we need to make were that
	First of all we need to make sweethat. The k lies in range 0 to end index. This can
	be made sure by mod about the late is the
	be made sure by mod operation. We just have to follow 3 steps to rotate array.
	To follow 3 steps to totale array.
	Reverse the whole and
- <u>-</u>	Parethe Palt last
	Reverse the whole array. Reverse the left part of array i.e 0 to nums. Size() - k - lindex.
	nums. Sizeci R - Index.

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3)	Reverse the right part of array i.e nums.size ()
	- k to num size () - 1 index (ending index).
	0
	Dry run
	Dry run $\{1, 2, 3, 4, 5\}$ $R = 2$
J)	Reverse the whole away
	{5,4,3,2,13
2)	Reverse the left part of array i.e 0 to 2nd
	Index. $5-2-1=2$
	13,4,5,2,15
3)	Reverse the right part of away i.e 3rd index to 4th index 5-1=4 45-2=3
	index to 4th index 5-1=4 -35-2=3
	₹ 3,4,5, l, 23
	Code
	wild and at Audicol at in (washing ciata)
	Void rotate Anti Clockwise (vector < int>& nums, int k)
	// k should be in range
	if (k > nums·size()) {
	k = k% nums.size();
	3
	// Reverse the array
	reverse (nums. begin (), nums. end ());
	// Reverse left part of away
	reverse (nums. begin (), nums.begin () +
	nums·size() - k) j
	// Reverse right part of armay reverse (nums. begin() + nums. size () - k,
	reverse (nums begin () + nums size ()-k,
	nums.end0
	// Print the away
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