Unsorted Array: Rotation

1. Given an unsorted integer array as input, rotate the contents of the array, clockwise by 1 position.
2. Given an unsorted integer array as input, rotate the contents of the array, anticlockwise by 1 position.
3. Given an unsorted integer array as input, rotate the contents of the array, clockwise by 2 positions.
4. Given an unsorted integer array of length N as input, rotate the contents of the array, clockwise by K positions, where K is always less than N.
5. Given an unsorted integer array of length N as input, rotate the contents of the array, anticlockwise by K positions, where K is always less than N.
6. Given an unsorted integer array of length N as input, rotate the contents of the array, clockwise by K positions, where K could be greater than N.
7. Given an unsorted integer array A, find the value that will be in 3rd position or index, after 2 rotations in clockwise direction.
8. Given an unsorted integer array A, find the value that will be in 3rd position or index, after 2 rotations in anticlockwise direction.
9. Given an unsorted integer array A, find the value that will be in index "I" after "R" rotations in clockwise direction.
10. Given an unsorted integer array A, find the value that will be in index "I" after "R" rotations in anticlockwise direction.