**SOLUTION 5**

#include <iostream>

#include <vector>

#include <algorithm>

using namespace std;

int main() {

vector<int>num ={1,2,3,4,5,6,7};

int n = num.size();

int k=3; //amount by whuch we want to rotate the array;

k = k%n;// this is due to if the no. k exceed the size of array

for(int i=0;i<num.size();i++){

cout<<num[i]<<" ";

}

cout<<endl;

reverse(num.begin(), num.end());

reverse(num.begin(), num.begin() + k);

reverse(num.begin() + k, num.end());;

for(int i=0;i<num.size();i++){

cout<<num[i]<<" ";

}

}

