

EXP NO – 1.4

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BRANCH – B.TECH (CSE)

SEMESTER - 2ND

SUBJECT – COMPUTER WORKSHOP

ΤΟΡΙΟ

"R-r-riddikulus" used in the movie Harry Potter to transform anything from one form to other, Similarly you have to transform the array by rotation.

A left rotation operation on an array shifts each of the array's elements 1 unit to the left. For example, if 2 left rotations are performed on array [1,2,3,4,5], then the array would become [3,4,5,1,2].

Given an array a of n integers and a number, d, perform d left rotations on the array. Return the updated array to be printed as a single line of space-separated integers.

Input Format

The first line contains two space-separated integers n and d, the size of a and the number of left rotations you must perform.

The second line contains space-separated integers a[i].

SOLUTION

"R-r-riddikulus" used in the movie Harry Potter to transform anything from one form to other, Similarly you have to transform the array by rotation.

A *left rotation* operation on an array shifts each of the array's elements 1 unit to the left. For example, if 2 left rotations are performed on array [1,2,3,4,5], then the array would become [3,4,5,1,2].

Given an array a of n integers and a number, d, perform d left rotations on the array. Return the updated array to be printed as a single line of space-separated integers.

Example:

Input: n = 5, d = 4, a = [1, 2, 3, 4, 5]

Output: 5 1 2 3 4

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SEC/GROUP - 26(B)

D.O.P - 3 MAY 2021



CODE IN TEXT FORM -

#include <bits/stdc++.h>

using namespace std;

void shiftDNumbers(int n, int d, int a[])

int n = 5, d = 4;

d = d % n;

int a[n] = {1, 2, 3, 4, 5};

shiftDNumbers(n, d, a);

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CODE IN COMPILER/IDE-

OUTPUT-





LEARNING OUTCOMES

- 1. Apply coding skills to solve application based problems on competitive platforms such as Hacker Rank/ Hacker Earth/Code Chef.
- 2. Understand the basic concept and structure of computer hardware
- 3. Identify the existing configuration of the computers and peripherals.
- 4. Installing and uninstalling multiple operating systems on a machine.
- 5. Apply their knowledge about computer peripherals to identify /rectify problems on-board.

EVALUATION COLUMN (To be filled by concerned faculty only)

Sr. No.	Parameters	Maximum Marks	Marks Obtained
1.	Worksheet Completion including writing learning objective/ Outcome	10	
2.	Post Lab Quiz Result	5	
3.	Student engagement in Simulation/ Performance/ Pre Lab Questions	5	
4.	Total Marks	20	