
 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 3	Name : VEDANT BHARAD	
Day : 55	Date : 11/12/2022	Enrollment No: 92100133023

CP Club 365Days Challenge

Date – 11/12/2022
Programming language – c++

Problem Statement


[https://practice.geeksforgeeks.org/problems/game-with-nos3123/1?page=1&difficulty\[\]=-1&category\[\]=Arrays&sortBy=accuracy](https://practice.geeksforgeeks.org/problems/game-with-nos3123/1?page=1&difficulty[]=-1&category[]=Arrays&sortBy=accuracy)

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Your Code:

```
// 0x55Day of 0x365Days challenge
// VEDANT BHARAD
// 11-12-2022
//{ Driver Code Starts
#include<bits/stdc++.h>
using namespace std;
int* game_with_number(int arr[], int n);
int main()
{
    int t;cin>> t;
    while(t--)
    {
        int n;
        cin >> n;
        int arr[n];
        for(int i=0;i<n;i++)
            cin>>arr[i];
        int *arr2;
        arr2 = game_with_number(arr, n);
        for(int i = 0;i < n; i++)
            cout << arr2[i] << " ";
        cout << endl;
    }
}
// } Driver Code Ends
int* game_with_number(int arr[], int n)
{
    for(int loop = 0; loop < n-1; loop++)
    {
        arr[loop]=arr[loop]^arr[loop+1];
    }
    return arr;
}
```

Output (Screen Shot):

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Problems Courses Get Hired Contests </>POTD

Problem

Editorial

Submissions

Comments

Output Window

Compilation Results Custom Input

Problem Solved Successfully

Test Cases Passed:

7218 /7218

Your Total Score:

21 ↑

Your Accuracy:

100%

Total Points Scored:

1 /1

Total Time Taken:

0.15

Attempts No.:

1

Practice

C++ (g++ 5.4)

Average Time: 20m

Start Timer

```

1- // Driver Code Starts
2- #include<bits/stdc++.h>
3- using namespace std;
4-
5-
6- int* game_with_number(int arr[], int n);
7-
8- int main()
9- {
10-
11-     int t;cin>> t;
12-     while(t-->0)
13-     {
14-         int n;
15-         cin >> n;
16-         int arr[n];
17-
18-         for(int i=0;i<n;i++)
19-             cin>>arr[i];
20-
21-         int *arr2;
22-
23-         arr2 = game_with_number(arr, n);
24-         for(int i = 0; i < n; i++)
25-             cout << arr2[i] << " ";
26-
27-         cout << endl;
28-     }
29- }
30-
31- // } Driver Code Ends
32-
33-
34-
35-
36- int* game_with_number(int arr[], int n)
37- {
38-     for(int loop = 0; loop < n-1; loop++)
39-     {
40-         arr[loop]=arr[loop]*arr[loop+1];
41-     }
42-     return arr;
43- }
```

Custom Input

Compile & Run

Submit

Understanding about problem:

- In this task I need to do only XOR of array index with current and current +1 for n-1.

Note: If you can't understand the problem, feel free to contact us and we'll help you. Please don't copy and paste from anywhere.

ALL THE BEST

Team CP Club