- **EASY**
- **Max Score: 30 Points**

Shuffle the Array

Given an array `arr` consisting of $2n$ elements in the form $[x_1, x_2, \ldots, x_n, y_1, y_2, \ldots, y_n]$.

Print the array in the form $[x_1, y_1, x_2, y_2, \ldots, x_n, y_n]$.

Input Format

First line contains an integer `n`

Second line contains $2n$ space separated integer

Output Format

Print the $2n$ integer in space-separated manner, in order as mentioned in question

Example 1

Input

```
4
1 2 3 4 4 3 2 1
```

Output

```
1 4 2 3 3 2 4 1
```

Example 2

Input

```
3
```

```
2 5 1 3 4 7
```

Output

```
2 3 5 4 1 7
```

Constraints

1 <= n <= 5000

-10$_5$ <= $arr[i]$ <= 10$_5$

- **Loops**

- **Arrays**

My code

```
// n java
import java.util.*;
import java.lang.*;
import java.io.*;

public class Main
{
    public static void main (String[] args) throws
java.lang.Exception
    {
        //your code here
    Scanner s=new Scanner(System.in);
    int n=s.nextInt();
```

```java
        n=n+n;
        int arr[]=new int[n];
        for(int i=0;i<n;i++)
          arr[i]=s.nextInt();
        for(int i=0;i<n/2;i++)
          {
            System.out.print(arr[i]+" "+arr[n/2+i]+" ");
          }
          }
}
```