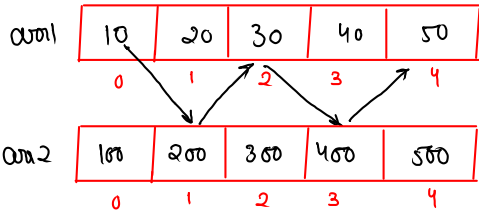


Print two arrays alternately

$n=5$

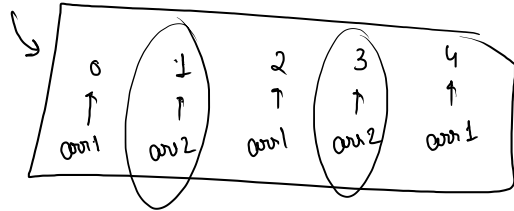


console

10 200 30 400 50

logic

we have to print all the indexes but odd indexes will be from arr2 and even indexes are from arr1.



all homework questions from 1st page only

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
    int[] arr1 = new int[n];
    for (int i = 0; i < n; i++) {
        arr1[i] = scn.nextInt();
    }
}
```

```
int[] arr2 = new int[n];
for (int i = 0; i < n; i++) {
    arr2[i] = scn.nextInt();
}
```

```
solve(arr1, arr2, n);
```

```
public static void solve(int[] arr1, int[] arr2, int n) {
```

```
    for (int i = 0; i < n; i++) {
```

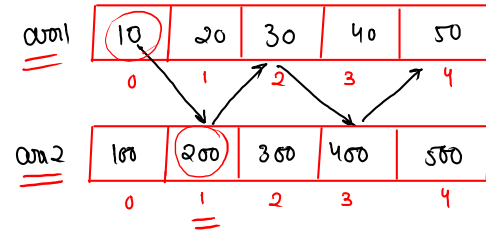
```
        if (i % 2 == 0) { // index is even
            System.out.print( arr1[i] + " " );
        } else { // index is odd
            System.out.print( arr2[i] + " " );
        }
    }
```

```
}
```

```
}
```

$i=0$, even
 $i=1$, odd
 $i=2$, even
 $i=3$, odd
 $i=4$, even

even → arr1
 odd → arr2



10 200 30 400 50

Check if x is present in array or not

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
    int[] arr = new int[n];
    for (int i = 0; i < n; i++) {
        arr[i] = scn.nextInt();
    }
    int x = scn.nextInt();
    boolean ans = solve(arr, n, x);
    if (ans == true) {
        System.out.println("True");
    } else {
        System.out.println("False");
    }
}
```

```
public static boolean solve(int[] arr, int n, int x) {
    for (int i = 0; i < n; i++) {
        if (arr[i] == x) {
            return true;
        }
    }
    return false;
}
```

{ break → loop
return → fn }

arr =

0	1	2	3	4	5	6
1	3	4	-1	8	19	11

x = 9

i = 0, 1 == 9 _____

i = 1, 3 == 9 _____

i = 2, 4 == 9 _____

i = 3, -1 == 9 _____

i = 4, 8 == 9 _____

i = 5, 19 == 9, ~~return true~~

~~i = 6, 11 == 9~~ _____

arr

0	1	2	3	4	5	6	7
1	2	5	3	5	5	4	5

ans = 2

x = 5

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
    int[] arr = new int[n];
    for (int i = 0; i < n; i++) {
        arr[i] = scn.nextInt();
    }
    int x = scn.nextInt();
```

(2)
 => System.out.println(solve(arr, x));
 }

```
public static int solve(int[] arr, int x) {
    for (int i = 0; i < arr.length; i++) {
        if (arr[i] == x) {
            return i;
        }
    }
    return -1;
}
```

i=0, 1 == 5

i=1, 2 == 5

i=2, 5==5 true

~~i=2}~~

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
    int[] arr = new int[n];
    for (int i = 0; i < n; i++) {
        arr[i] = scn.nextInt();
    }
    int x = scn.nextInt();
    int count = 0;

    for (int i = 0; i < arr.length; i++) {
        if (arr[i] == x) {
            count++;
            System.out.println(i);
            break;
        }
    }

    if (count == 0) System.out.println(-1);
}
```