

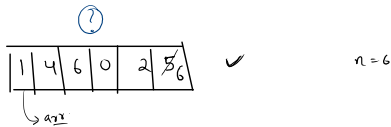
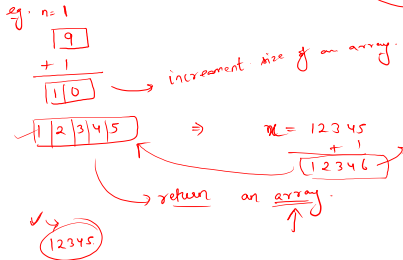
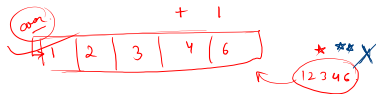
Add One

Take an array of size n as input which represents a large number. Add 1 (one) to this large number and print the resultant array. result \rightarrow ans

eg:- [4,2,3,6,5,8,7,1,5,3,9,6] In this case answer must be [4,2,3,6,5,8,7,1,5,3,9,7]

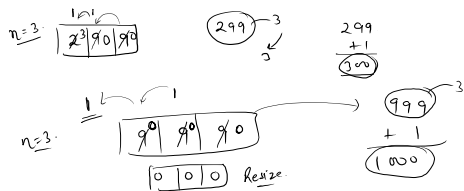
Sample Input 0
1 2 3 4 5
Sample Output 0
1 2 3 4 6

✓ 1 2 3 4 5 n=5.
0 1 2 3 4



146025
+1

146026



3 cases

1432

299 or
929

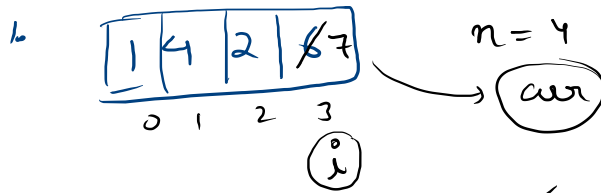
(999)

Add one.

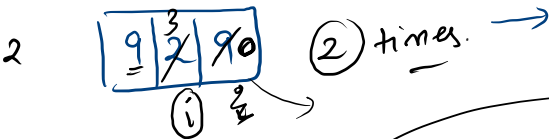
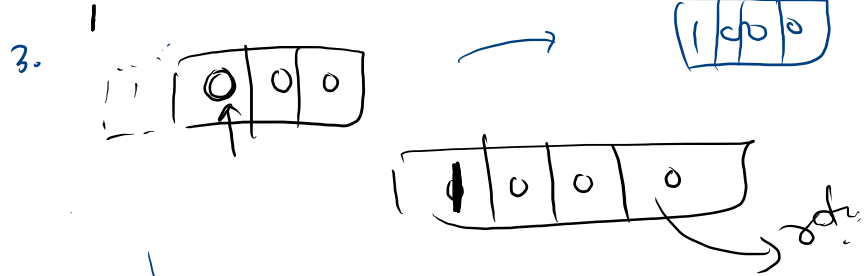
```
import java.util.*;

public class Solution {
    public static void printArr(int [] arr){
        for(int e : arr){
            System.out.print(e+" ");
        }
    }

    public static int [] addOne(int [] arr){
        for(int i = arr.length-1; i >= 0; i--){
            if(arr[i] != 9){
                arr[i]++;
                break;
            }
            else{
                arr[i] = 0;
            }
        }
        if(arr[0] == 0){
            //resize
            int [] ans = new int[arr.length+1];
            ans[0] = 1;
            return ans;
        }
        return arr;
    }
}
```



arr[3] != 9



930

Very imp.

1. 1 4 2 6
2. 9 2 9
3. 9 9 9

Print Pair

needed help

Take the array of size n and their values from user. And Print all the pairs in the array.

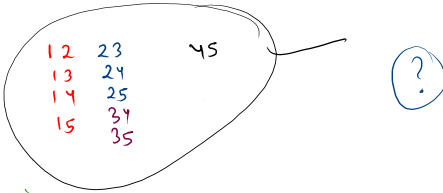
Sample Input 0

5
1 2 3 4 5

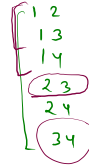
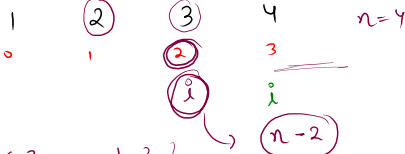


Sample Output 0

1 2
1 3
1 4
1 5
2 3
2 4
2 5
3 4
3 5
4 5



eg.



arr[i], arr[j] ⇒

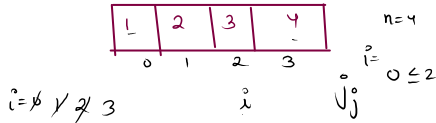
1, 2
1, 3
1, 4
2, 3
2, 4
3, 4

```
import java.io.*;
import java.util.*;

public class Solution {

    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();
        }

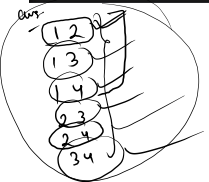
        for(int i = 0; i<n-2; i++){
            for(int j = i+1; j<n; j++){
                System.out.println(arr[i]+" "+arr[j]);
            }
        }
    }
}
```



$3 \leq 2$

$1 \leq 2$

3 < 4



Find The Pair 4

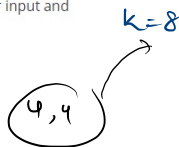
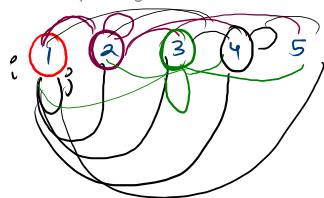
Given condition is that the array contains all the unique elements. Then take the sum as an integer input and print all the permutations of the pairs that add up to the given sum k.

Sample Input 0

```
5
1 2 3 4 5
8
```

Sample Output 0

```
3 5
4 4
5 3
```



① ② 3 4 5
0 1 2 3 4

$i=0 \rightarrow 4$

for $[j: 0 \rightarrow 4]$

if $(arr[i] + arr[j]) == k$

print

③

1 1	2 1	3 1	4 1	5 1
1 2	2 2	3 2	4 2	5 2
1 3	2 3	3 3	4 3	5 3
1 4	2 4	3 4	4 4	5 4
1 5	2 5	3 5	4 5	5 5

```
import java.io.*;
import java.util.*;

public class Solution {

    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 k = scn.nextInt();

        for(int i = 0; i<n; i++){
            for(int j = 0; j<n; j++){
                if(arr[i] + arr[j] == k){
                    System.out.println(arr[i] + " " + arr[j]);
                }
            }
        }
    }
}
```

① 2 ③ ④ 5 k=8
0 1 2 3 4
j 0 1 2 3 4 n=5
i=0 1 2 3 4
0 < 5
1 < 5
j=0

3 5

Greater Than Me

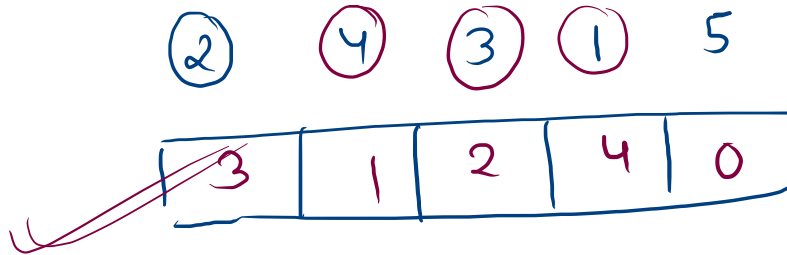
Given an array then for each index print the count of the elements which are strictly greater than the element present at that index.

Sample Input 0

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

Sample Output 0

```
4 3 2 1 0
```



10 use extra arr.