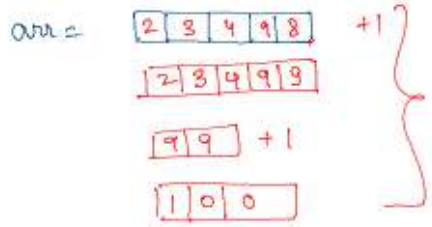
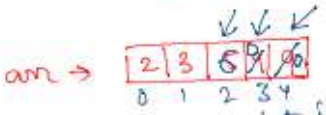
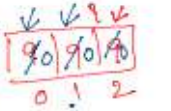
Ques Plus one



const = String + 1 → array
no + 1 → array

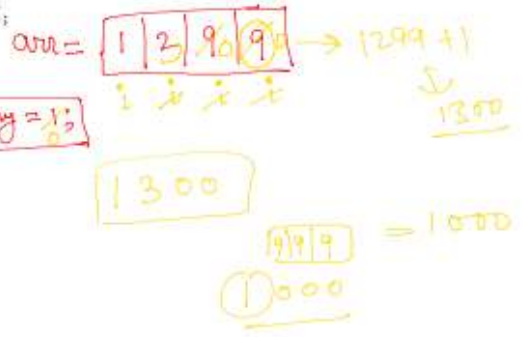



```
int carry = 1
int i = arr.length - 1;
while(i>=0 && carry!=0){
  if(arr[i]==9)
    arr[i]=0;
  else
    arr[i]+=1;
    carry=0;
  }
  i--;
}
if(carry==1)
  syso(1);
```



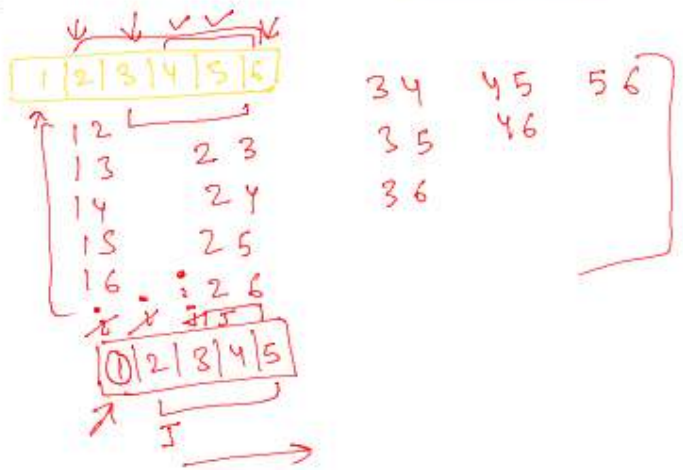
11000

```
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 carry=1;
    int i=arr.length-1;
    while(i>=0 && carry !=0){
        if(arr[i]==9){
            arr[i]=0;
        }else{
            arr[i] +=1;
            carry=0;
        }
        i--;
    }
    if(carry==1){
        System.out.print("1 ");
    }

    for(int j =0;j<n;j++){
        System.out.print(arr[j]+" ");
    }

    /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class
}
```

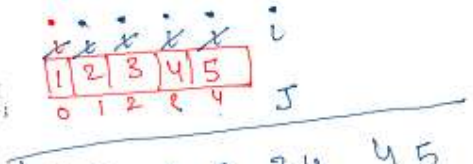


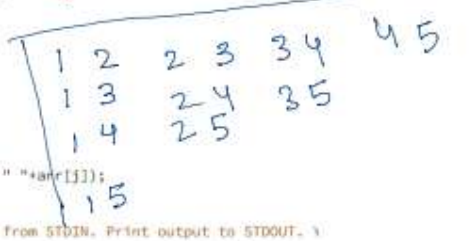
Q14

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




```
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;i++){
            for(int j = i+1;j<n;j++){
                System.out.println(arr[i] + " "+arr[j]);
            }
        }
        /* Enter your code here. Read input from STDIN. Print output to STDOUT. Y
    }
}
```





Q= arr = 1 2 3 4 5 (0 1 2 3 4) Sum = 8

print all pairs whose sum is 8

```
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 target = scn.nextInt();
    for(int i=0;i<n;i++){
        for(int j=i;j<n;j++){
            if((arr[i]+arr[j])==target){
                System.out.println(arr[i]+" "+arr[j]);
            }
        }
    }
    /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class
}
```

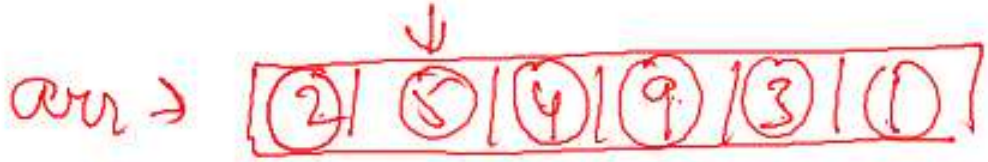
target = 8

arr → 1 2 3 4 5

3 5
4 4

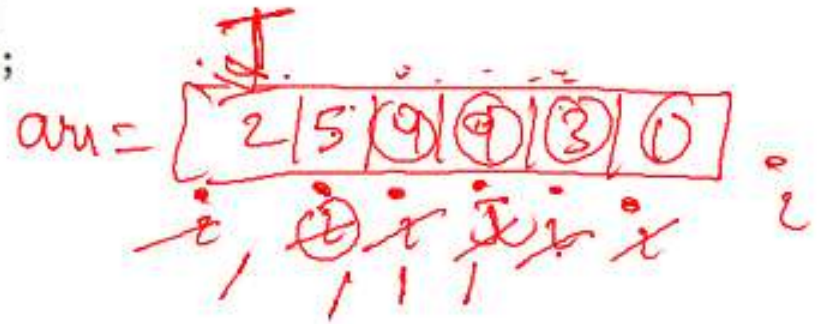
Qu

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



print count of elements greater than me.

```
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;i++){
        int count=0;
        for(int j=0;j<n;j++){
            if(arr[i]<arr[j]){
                count++;
            }
        }

        System.out.print(count+" ");
    }
    /* Enter your code here. Read input from STDIN. Print output to
}
```



count = 0

4 1 2 0 3 5

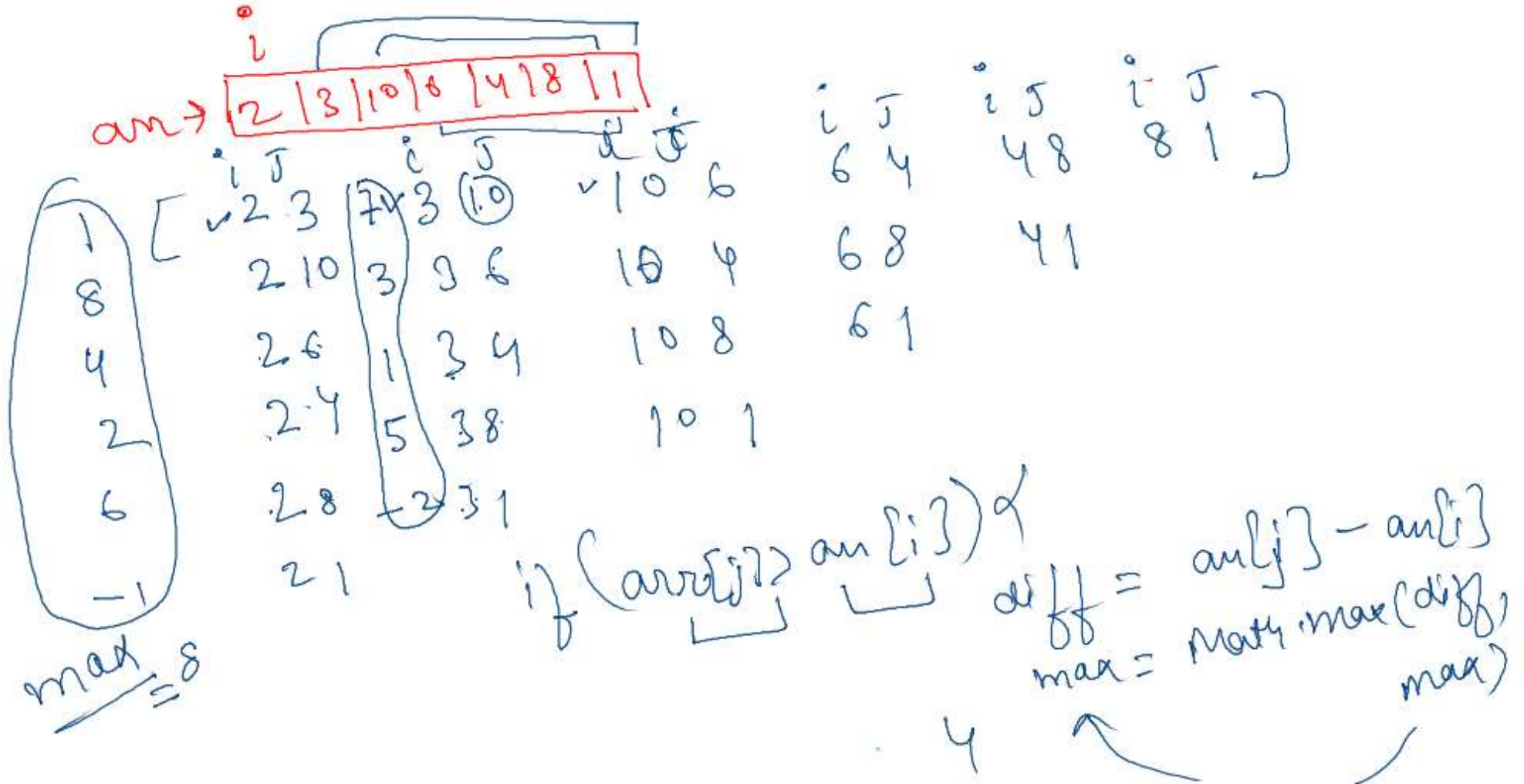
Q

4	3	2	5	9
0	1	2	3	4

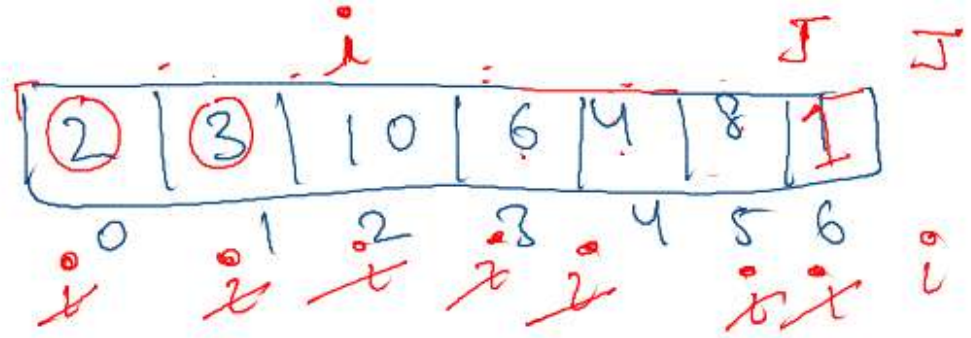
2	2	2	1	0

Q

Given an array **arr[]** of integers, find out the **maximum difference** between any two elements such that **larger element appears after the smaller number**.



```java
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 max = Integer.MIN_VALUE;
    for(int i=0;i<n;i++){
        for(int j = i+1;j<n;j++){
            if(arr[j]>arr[i]){
                int diff = arr[j]-arr[i];
                if(diff>max){
                    max= diff;
                }
            }
        }
    }

    System.out.println(max);
    /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class
}
```



(arr[j] > arr[i])

(1 > 10)

fals.

8

① check the element After i then check the element is greater than arr[i];

② calculate diff.

↓

max