arcijs=St. Neek() an Ei] >= sing pop condition 5 7 3 4 3 2 1 3 3 < C / 2 rop it (st-size () == 0) \$ 475 res (; ) = - ); 3<sub>ese</sub> 1 3 S+-VESEID = S+. PRER CT)

## Next greater element on left 1

```
public static void main(String[] args) {
    /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be named Solution,
    Scanner sc = new Scanner(System.in);
                                                                                                                      Talking:
    int n = sc.nextInt();
    int[] arr = new int[n];
    for(int i=0;i<n;i++){
        arr[i]=sc.nextInt();
    nextGreaterElement(arr,n);
public static void nextGreaterElement(int[] arr,int n){
    int[] res = new int[n];
    Stack<Integer>st = new Stack<>();
    res[0]=-1;
    st.push(arr[0]);
    // traverse on the array
    for(int i=1;i<n;i++){
        while(st.size()>0 && arr[i]>=st.peek()){
            st.pop();
        if(st.size()==0){
            res[i]=-1;
        }else{
            res[i]=st.peek();
        st.push(arr[i]);
    for(int i=0;i<res.length;i++){</pre>
        System.out.print(res[i]+" ");
```

resti) =1 S7. Non(0);~ 7 100 80 00 70 60 75 85 60 r( i=) Sample Output 0 1112146 70 60 100

## **Online Stock Spanner**

```
public static void main(String[] args) {
   /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be named Solu
    Scanner sc = new Scanner(System.in);
   int n = sc.nextInt();
   int[] arr = new int[n];
   for(int i=0;i<n;i++){
        arr[i]=sc.nextInt();
   int[] ans = onlineStock(arr,n);
   for(int i=0;i<ans.length;i++){</pre>
        System.out.print(ans[i]+" ");
    }
public static int[] onlineStock(int[] arr,int n){
    int[] res = new int[n];
    Stack<Integer> st = new Stack<>();
    res[0]=1;
    st.push(0);
    for(int i=1;i<n;i++){
        while(st.size()>0 && arr[i]>=arr[st.peek()]){
            st.pop();
        if(st.size()==0){
            res[i]=i+1;
        }else{
            res[i] = i-st.peek();
        st.push(i);
    return res;
}
```

10/20/301 public static int[] onlineStock(int[] arr,int n){ int[] res = new int[n]; 7 Stack<Integer> st = new Stack<>(); 100 80 60 70 60 75 85 res[0]=1; st.push(0); for(int i=1;i<n;i++){ ¬while(st.size()>0 && arr[i]>=arr[st.peek()]){ res st.pop(); 9 if(st.size()==0){ res[i]=i+1; }else{ res[i] = i-st.peek(); st.push(i); return res; 98613 >= aar En] 820137= 2+1 xue 13 = 1+1 30>20

Applifation ready diesi and 100) ifeat 1000) 7 U3 gina -January

mext great on let snext smales 2 1 5 6 2 3 Area = lengx smaller 2×4

6 apr 2 1 5 6 2 3 Ones 4 5

9ns = 0

PSE 0 2 2 3 4 5

$$-1-1122114$$

GOY( $i=0$ ;  $i=0$ ;  $i=0$ )

 $i=0$ 
 $i=0$ 

1+1-1

While (St. Size S & RR 9W [St. Deer)

= 98 Cizz

St. Pop();

\_