Next Greater Element in Left

i/p -> 2 -> 1 -> 5 -> x
0 1 2

arr -> | 5 | 5 | 0 |
0 1 2

ex 2 -> 2 -> 7 -> 4 -> 8 -> 5 -> x
0 1 2 3 4

| 7 | 0 | 5 | 5 | 0 |
0 1 2 3 4

m-1 -> two loop -> TC -> O(n^2)

```
for (int i=0; i<n; ++i){
    for (int j=i+1; j<n; ++j){
        if (a[i]<a[j]){
            ans[i]=a[j]
            break;
        }
    }
}
```

TC = O(n^2)

Space = O(1)

M-2 => Stack =>

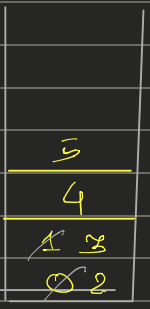
2 -> 1 -> 7 -> 4 -> 8 -> 5 -> X

Arr1 -> | 2 | 1 | 7 | 4 | 8 | 5 |

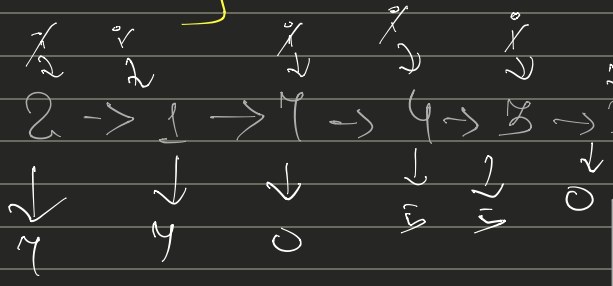
ans => | 0 | 0 | 0 | 0 | 0 | 0 | -> Initialize this array with zero

algo:

```
if (ll[i] > ll[st.top])
{ Pop till ll[st.top] < ll[i]
& ll[st.top] is greater element will be ll[i];
while (ll[st.top] < ll[i]){
    st.pop()
    ans[i] =
}
else {
    st.push(i);
}
```



Ex=>



Initialize any array with zero