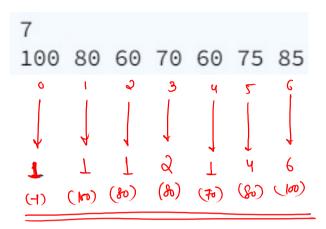


Li Greater element on left (done) Greater element on right (severse the for loop)

Ly Smaller element on left (condition is while doop will get reverse)

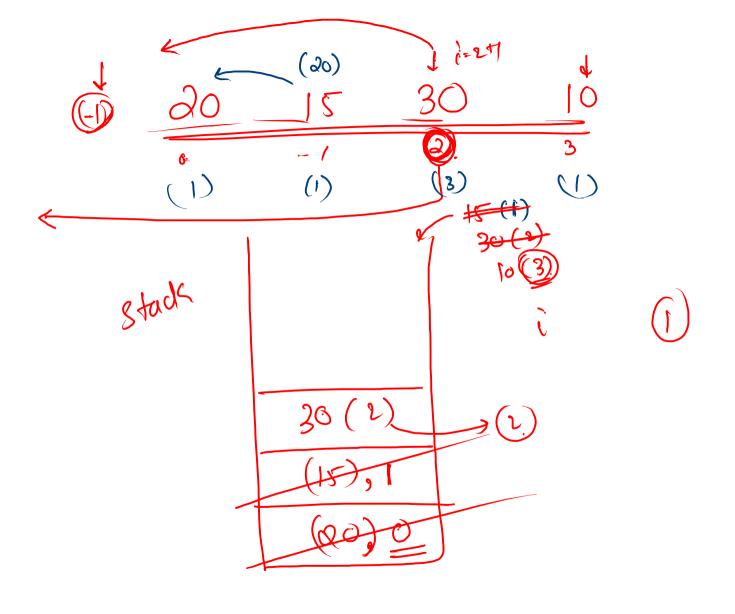
Smaller element on right reverse the loop & well and the cond' is while as

Online Stock Spanner

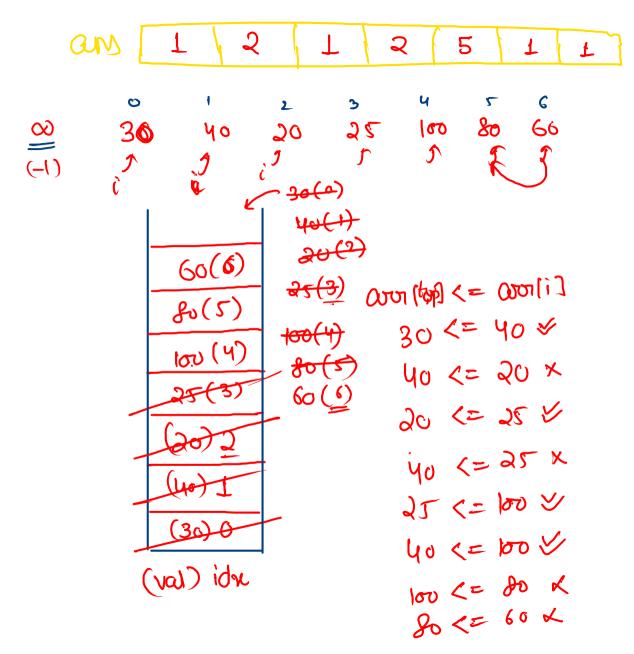


Smort work

Trotead of storing the element, 9 will store the index of each element.



```
public static void nextGreaterOnLeft(int[] arr) {
    int[] ans = new int[arr.length];
    Stack<Integer> st = new Stack<Integer>();
   for (int i = 0; i < arr.length; i++) {
       while ( !st.isEmpty() && arr[st.peek()] <= arr[i] ) {</pre>
            st.pop();
        if (!st.isEmpty()) {
                  = i - st.peek();
        } else {
        st.push( i );
    for (int i : ans) {
        System.out.print(i + " ");
    }
```



> Hashmap (very weful) Git store a pair of key and value key String, Integer Li Integer, Integer Aus", 4 Integer, String I shing, Integer 4 Interper, AL "India", Totega, array "Srilanka", 50 "Palc", -10

Important properties of HM Store key/value pair

It doesn't maintain an order (unorganised)

In case of duplicate key, then new pair will over write previous value Syntex

HashMap < key Data Type, value Data Type> map = new HashMap <>();

Hash Map < String, Integer> map = new HashMap <>();

Inbuilt functions

Key value

("Bhorat", 500);

map. put ("Srilanka", 50);

map. put ("Srilanka", 100);

map. remove ("Srilanka")

key

"Bharat" → 500
"Silanka" → 100

pword (s) (lo) 10 100 (10 1000