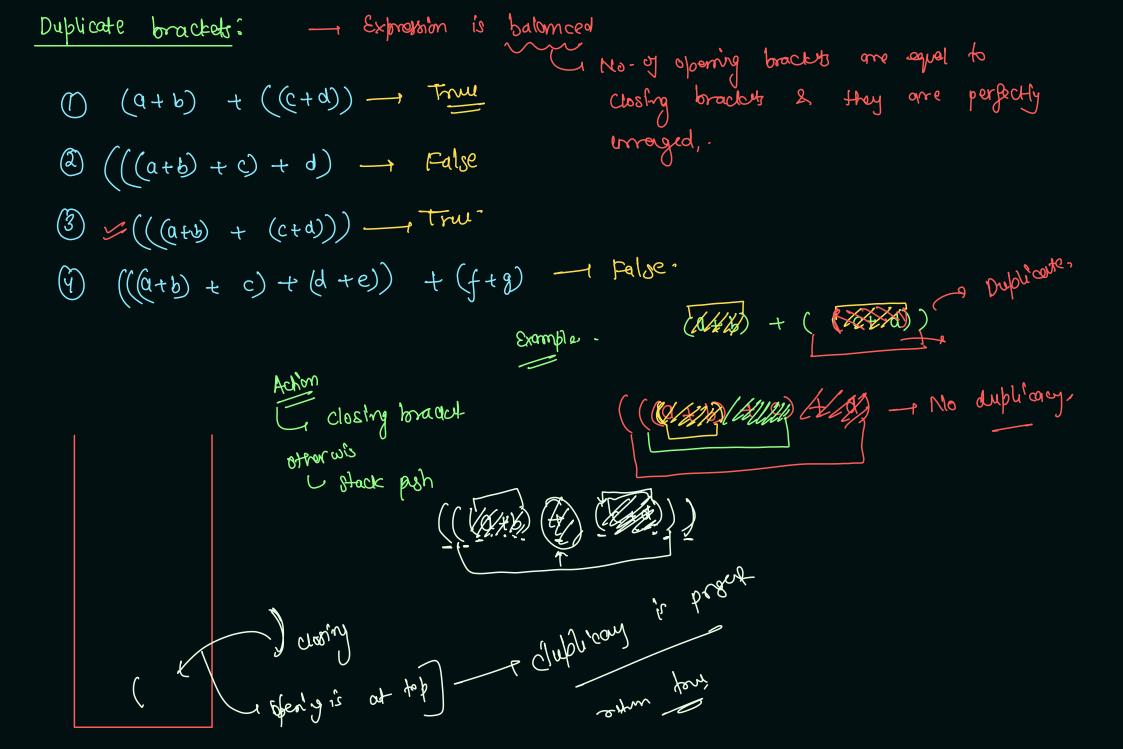


```
Stack - honizontal [ ] wadd - romova
                              [10,20,30
Stack - St
st.push(10); ______
                    [10];
System.out.println(st); ______
                              output is correct
st.push(20);
                           true
Γ107
st.push(30);
                             Γ10, 20<sub>7</sub>
                     [10,20,30],
System.out.println(st); _____
                             [10, 20, 30]
st.push(40);-----
                           Γ10, 20, 30, 40]
✓ Size : 5
|st.push(50); -----
                           [10, 20, 30, 40, 50]
                             50
System.out.println("Size: " + st.size()); Size: 5
System.out.println(st); [10, 20, 30, 40]
System.out.println(st.pop());
                             [10, 20, 30]
System.out.println(st); false
```



```
Stack<Character> st = new Stack<>();
for(int i = 0; i < str.length(); i++) {</pre>
   char ch = str.charAt(i);
 tif(ch == ' ') continue;
   if(ch != ')') {
       st.push(ch);
   } else {
     (st.peek() == '(') {
           return true;
       } else {
          while(st.peek() != '(') {
                st.pop();
            st.pop();
return false;
```



Balanced bracket

Rity

L. opening bracket

L. preh

Clociny

Same puln

+

e.g.
[(a + b) + {(c + d) * (e / f)}] -> true
[(a + b) + {(c + d) * (e / f)}] -> false
[(a + b) + {(c + d) * (e / f)} -> false
([(a + b) + {(c + d) * (e / f)}] -> false

opening bracket - push

closing bracket - dood it conter

choming is available

or not

Note:

if of lest starstrulle -]

were more opening

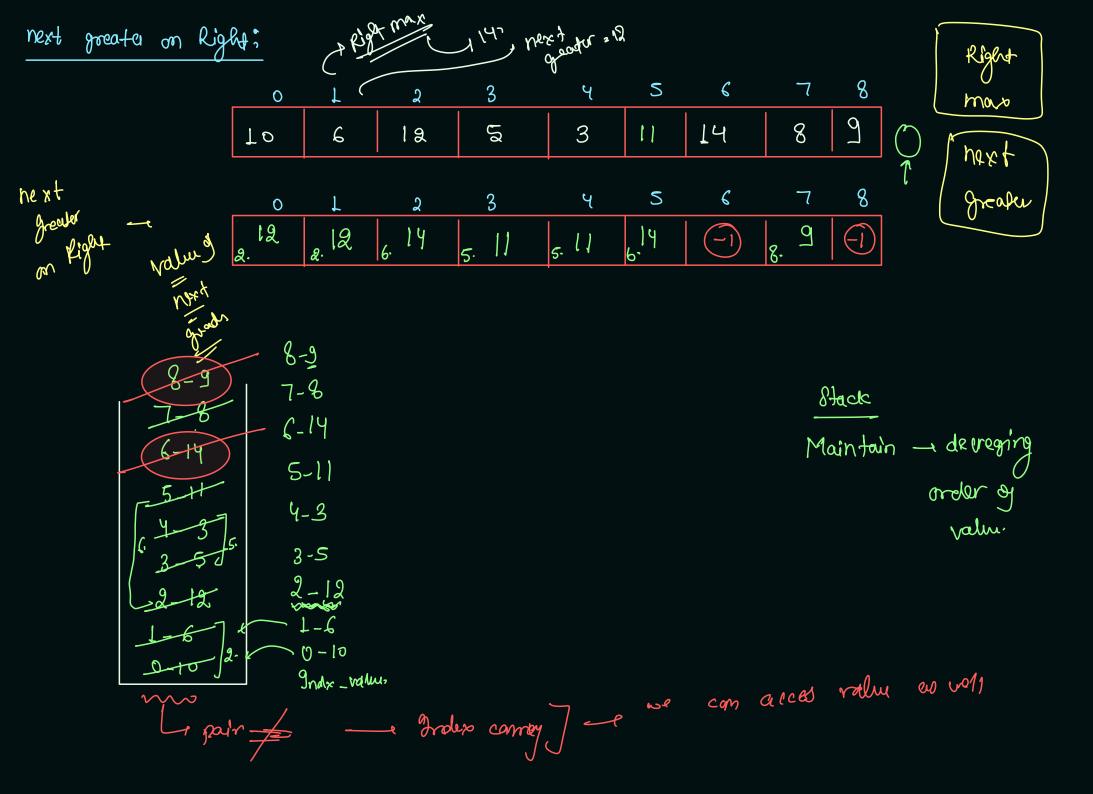
broadst than closely

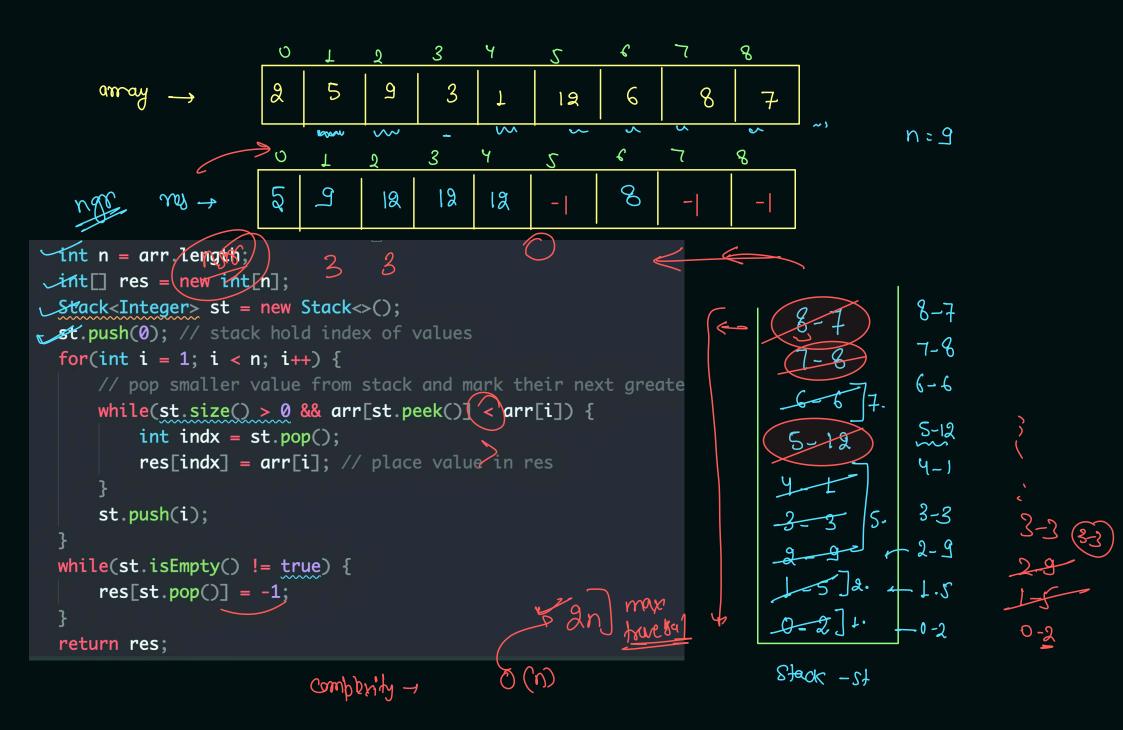
§ -+ }

([a+b] + c)] }

Clody - ofrsize()= z

Hiere closing bracker





next grater/8maller Right

```
Arrays: [10, 6, 12, 5, 3, 11, 14, 8, 9]

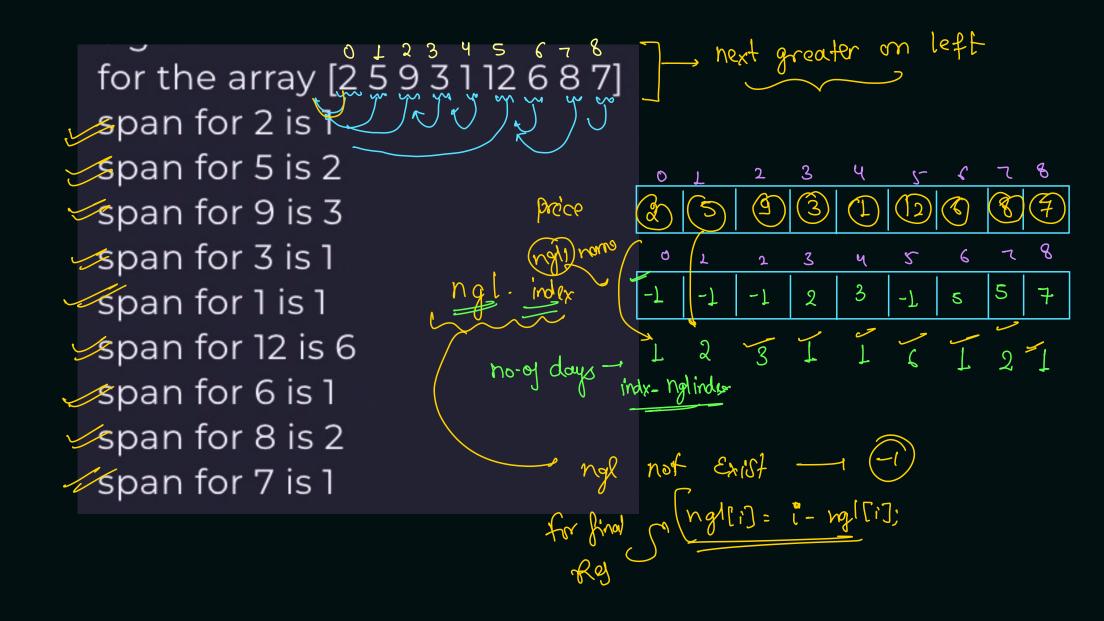
figr -> [12, 12, 14, 11, 11, 14, -1, 9, -1]

fisr -> [6, 5, 5, 3, -1, 8, 8, -1, -1]

figl -> [-1, 10, -1, 12, 5, 12, -1, 14, 14]

fisl -> [-1, -1, 6, -1, -1, 3, 11, 3, 8]
```

Stock Span: Open - No. of does before today, when stock price was higher than today



Daily temperor ture:

next greater Sides

next decorper on eight gugso

rod ngr[i] z ngr[i] - i

if ngr is not available ruli)21