Next greater element Right 2

class Solution {

public int[] nextGreaterElements(int[] nums)

{

Stack<Integer> stack=new Stack<>();

int n=nums.length;

for(int i=n-1 ;i>=0 ;i--)

{

stack.push(nums[i]);

}

int[] result=new int[n];

for(int i=n-1 ;i>=0 ;i--)

{

result[i]=-1;

while(!stack.isEmpty() && stack.peek()<=nums[i])

{

stack.pop();

}

if(!stack.isEmpty())

{

result[i]=stack.peek();

}

stack.push(nums[i]);

}

return result;

}

}