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Daily Coding Problem: Problem #18 [Hard]

1 message

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**Daily Coding Problem**

Good morning! Here's your coding interview problem for today.

This problem was asked by Google.

Given an array of integers and a number k , where $1 \leq k \leq \text{length of the array}$, compute the maximum values of each subarray of length k .

For example, given array = [10, 5, 2, 7, 8, 7] and $k = 3$, we should get: [10, 7, 8, 8], since:

- $10 = \max(10, 5, 2)$
- $7 = \max(5, 2, 7)$
- $8 = \max(2, 7, 8)$
- $8 = \max(7, 8, 7)$

Do this in $O(n)$ time and $O(k)$ space. You can modify the input array in-place and you do not need to store the results. You can simply print them out as you compute them.

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