From: Daily Coding Problem
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Subject: Daily Coding Problem: Problem #18 [Hard]

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 <= k <= 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.

If you liked this problem, feel free to forward it along so they can subscribe here! As always, shoot us an email if there's anything we can help with!

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