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FW: Greater Elements

1 message

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From: Daily Byte
Sent: Friday, May 19, 2023 6:10:00 AM (UTC-08:00) Pacific Time (US & Canada)
To: William Ting
Subject: Greater Elements

The Daily Byte

Good morning,

Need help with yesterday's problem? Start getting solutions.

Today's Byte

This question is asked by Amazon. Given two arrays of numbers, where the first array is a subset of the second array, return an array containing all the next greater elements for each element in the first array, in the second array. If there is no greater element for any element, output -1 for that number.

Ex: Given the following arrays...

```
nums1 = [4,1,2], nums2 = [1,3,4,2], return [-1, 3, -1] because  
no element in nums2 is greater than 4, 3 is the first number  
in nums2 greater than 1, and no element in nums2 is greater  
than 2.
```

```
nums1 = [2,4], nums2 = [1,2,3,4], return [3, -1] because 3 is  
the first greater element that occurs in nums2 after 2 and no  
element is greater than 4.
```