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Week 1: April 1st–April 7th
Problems appear at midnight, Pacific

Single Number
Happy Number
Maximum Subarray
Move Zeroes
Best Time to Buy and Sell ...

Week 2: April 8th–April 14th
The first problem for this section will

Maximum Subarray

Given an integer array `nums` , find the contiguous subarray (containing at least one number) which has the largest sum and return its sum.

Example:

```
Input: [-2,1,-3,4,-1,2,1,-5,4],
Output: 6
Explanation: [4,-1,2,1] has the l
```

Follow up:

If you have figured out the O(*n*) solution, try coding another solution using the divide and conquer approach, which is more subtle.

Python3

```
class Solution:
    def maxSubArray(self, nums: List[int]) -> int:
        if len(nums) == 1:
            return nums[0]
        val = self.doMaxSubArray(nums, 0, len(nums) - 1)
        if val == -1:
```

Week 3: April 15th–April 21st

The first problem for this section will

Week 4: April 22nd–April 28th

```
            all_neg = True
            max = -0xffffffff
            for i in
range(len(nums)):
                if max <
nums[i]:a
```