Maximum Lubarray
For this problem the task is to find the contiguous subarray wells the largest sum.

Approach 1: Kadane's Algorithm (O(a) Time O(1) space): Tolea: Therate through the array, Keeping: · cursent - sum: max sub-ossay sum ending at cursent index · max_sum: global max sum jourd 10 fcs. At each element: · Current_ num= max (nums [i], current_sum+nums [i]) -max-sum=max(max_sum, current_sum) Complexity: Twine: D(n) - Jace, Ou)

Aprisach z: Dévéde and Esigner (Oli bon) Tim): Idea: That array into two halves: Max subassay sum is either:

1. In the left half 1. In the right half

3. Esosses the middle (max left wfix+ max right sefix).