Leet Code 1 [Two Sum] Given an array of integers nums and an integer target, return inclines of the two numbers such that they add up to target. The solution, and You may assume that each input would have exactly one solution, and you may not use the same element twice. You can return your answer in any order. nums: [15, 7, 2, 11] target = 9 [5,1] [2,1] Brute Force [15,7,2,11] Then 9-7=2 now it's necessary to chear if Sorting [15,7,2,11] H: 9 [2,7,11,15] 9-2-7 We will look for ? B-5 (log n) We can improve using and additional D. J. H.M. Key | value Answer -> [3,1] Time: O(n) Space - O(n)

Vava Solution Public int [] twosum (int [] nuns, int target) & Map < Integer, Integer> map = new HashMap <> (); For (int i=0; i < nums longth; itt) { int comprement = target - nums [i]; if (map contains key (complement)) { return new int [] { map-get (complement), i}; map put (nums [], i); return new int [][-1,-1]-Kotlin solution fun two Sum (nums: Int Array target: Int): Int Array { val map = Hash Nap < Int, Int > () For (i in mms indices) { val complement = target - numstil if (map, containskey (complement)) {
return int Array Of (map (complement)! map put (nums [i], i) return int Array OF (+1, -1)