	Summers 2021 (SPO Intern Prep)					GitHub repo	maintained at https://github.com/Lakshita2002/LeetCode-Problems-Summers-2021				
Date	Problem Link	Level	Topic	Remarks							
25th Apr 2021	https://leetcode.com/problems/plus-one/	Easy	General	Had to work out multiple times; vector DS not strong					Count	61	
	https://leetcode.com/problems/middle-of-the	Easy	Linked List	Simple implementation; slow fast pointers concept						16	
27th Apr 2021	https://leetcode.com/problems/delete-node-	Easy	Linked List	Had to look at the soln to understand; simple implementation afterwards						3	
	https://leetcode.com/problems/remove-linke	Easy	Linked List	Had to look at the solution to understand the idea; did a silly mistake; always check for segmentation error in an AND/OR statement							
28th Apr 2021	https://leetcode.com/problems/reverse-linke	Easy	Linked List	Simple implementation; three pointers to keep track							
	https://leetcode.com/problems/palindrome-l	Easy	Linked List	Simple brute force implementation; can be improved							
29th Apr 2021	https://leetcode.com/problems/valid-palindr	Easy	Strings	Read more on STL; use strings with STL							
	https://leetcode.com/problems/valid-palindr	Easy	Strings	Brute force implementation; initial approach was wrong							
	https://leetcode.com/problems/two-sum/	Easy	Arrays	Brute force implementation; break code to save time							
	https://leetcode.com/problems/palindrome-r	Easy	General	Simple implementation; know where to use long long							
	https://leetcode.com/problems/maximum-su	Easy	Kadane's Algo	Had studied the algorithm well before; took a bit to recall tho							
	https://leetcode.com/problems/find-the-diffe	Easy	Strings	Had to look at the solution; simple implementation							
30th Apr 2021	https://leetcode.com/problems/single-numb	Easy	XOR operation	Based on XOR operation; had to look at the solution; simple implementation							
1st May 2021	https://leetcode.com/problems/replace-all-d	Easy	Typecasting	Silly mistakes; debugging was good							
	https://leetcode.com/problems/check-if-all-1	Easy	General	Brute force implementation; can be improved							
	https://leetcode.com/problems/minimum-dis	Easy	General	Brute force implementation							
	https://leetcode.com/problems/max-consec	Easy	General	Brute force implementation							
	https://leetcode.com/problems/consecutive-	Easy	General	Brute force implementation							
2nd May 2021	https://leetcode.com/problems/move-zeroes	Easy	General	Brute force; vector STL not strong; time consuming							
	https://leetcode.com/problems/contains-dup	Easy	General	Brute force; simple							
3rd May 2021	https://leetcode.com/problems/running-sum	Easy	General	First attempt; overwrite input vector with cummulative sum							
5th May 2021	https://leetcode.com/problems/jump-game-i	Medium	Arrays	Had to look at the solution; tricky implementation							
6th May 2021	https://leetcode.com/problems/count-primes	Easy	Numbers	Sieve of Eratosthenes; had to study algo							
7th May 2021	https://leetcode.com/problems/linked-list-cy	Easy	Linked List	Easy implementation							
	https://leetcode.com/problems/valid-parenth	Easy	Stacks	Easy implementation							
10th May 2021	https://leetcode.com/problems/min-stack/	Easy	Stacks and Pair	Had to look at solution; thought provoking; not easy							
11th May 2021	https://leetcode.com/problems/implement-s	Easy	Stacks and Queues	Simple Implementation							
	https://leetcode.com/problems/binary-tree-p	Easy	Binary Tree	Based on tree traversal; had to look at solution to come up with memory efficient code							
	https://leetcode.com/problems/binary-tree-i	Easy	Binary Tree	Based on tree traversal; easy implementation							
	https://leetcode.com/problems/binary-tree-p	Easy	Binary Tree	Based on tree traversal; easy implementation							
15th May 2021	https://leetcode.com/problems/count-compl	Medium	Binary Tree	Easy implementation; recursion based							
	https://leetcode.com/problems/diameter-of-	Easy	Binary Tree	Easy implementation; done efficiently							
	https://leetcode.com/problems/invert-binary	Easy	Binary Tree	Easy implementation							
19th May 2021	https://leetcode.com/problems/binary-tree-l	Medium	Binary Tree	Had to think for a while; saw solution; a bit tough							
	https://leetcode.com/problems/construct-bin	Medium	Binary Tree	Easy implementation							
	https://leetcode.com/problems/construct-bin	Medium	Binary Tree	Had to think for a bit; moderate implementation							
20th May 2021	https://leetcode.com/problems/insert-into-a-	Medium	Binary Search Tree	Easy implementation							
	https://leetcode.com/problems/search-in-a-	Easy	Binary Search Tree	Took some time to implement; recursion needs practice							
	https://leetcode.com/problems/range-sum-o	Easy	Binary Search Tree	Easy implementation; visualized well							
21st May 2021	https://leetcode.com/problems/validate-bina	Medium	Binary Search Tree	Typecasting and range problem; a bit confusing							
26th May 2021	https://leetcode.com/problems/subtree-of-a	Easy	Binary Search Tree	Not easy at all; very confusing; took hours of work to debug							
29th May 2021	https://leetcode.com/problems/balanced-bin	Easy	Binary Search Tree	Easy implementation							
	https://leetcode.com/problems/binary-tree-r	Easy	Binary Search Tree	Easy implementation; had to make a global vector							
30th May 2021	https://leetcode.com/problems/valid-anagra	Easy	Strings	Easy peasy lemon squeezy; STL based							
31st May 2021	https://leetcode.com/problems/generate-pa	Medium	Heap	Kinda ok; had to change from strings to char array to make it work							
1st June 2021	https://leetcode.com/problems/sum-of-left-l	Easy	Binary Search Tree	Had to look at the solution; a bit tricky							
	https://leetcode.com/problems/rotate-image	Medium	2D Matrix	Pretty easy							
2nd June 2021	https://leetcode.com/problems/flipping-an-i	Easy	2D Matrix	Easy peasy lemon squeezy							
	https://leetcode.com/problems/happy-numb	Easy	Basic recursion	Had to look at the solution; was able to come up with the basic idea							
3rd June 2021	https://leetcode.com/problems/leaf-similar-t	Easy	Binary Search Tree	A bit confusing; had to pass by reference; recursion logic was almost correct							

Date	Link	Difficulty	Topic	Notes		
	https://leetcode.com/problems/maximum-nu	Easy	Vectors	Can be done using maps also; look into that later		
8th June 2021	https://leetcode.com/problems/find-the-dupl	Medium	Vectors	Optimised code :)		
	I DID NOT CODE; PROLLY BECAUSE I WAS TOO DEPRESSED TO DO THAT AND MENTALLY UNSTABLE; THERE, I ADMIT IT					
12th Jul 2021	https://leetcode.com/problems/longest-com	Medium	DP	I found it difficult; more PRACTICE!; some issue with &text		
13th Jul 2021	https://leetcode.com/problems/climbing-stai	Easy	DP	Quite easy; still needs more practice		
	https://leetcode.com/problems/fibonacci-nu	Easy	DP	Easy; what's the deal with memset code		
	https://leetcode.com/problems/number-of-g	Easy	Math	Easy; brute force		
	https://leetcode.com/problems/edit-distance	Hard	DP	Had to think a bit; medium level for me; can we improve time and mem complexity?		
14th Jul 2021	https://leetcode.com/problems/divisor-game	Easy	DP	Correct thinking in terms of DP; practice more!		
15th Jul 2021	https://leetcode.com/problems/subtract-the-	Easy	Math	READ THE PROBLEM PROPERLY! (made a silly error smh)		
16th Jul 2021	https://leetcode.com/problems/best-time-to-	Easy	DP	Did using two pointer; still dont understand how this is DP		
	https://leetcode.com/problems/number-of-s	Easy	Math	Brute force; easy		
	https://leetcode.com/problems/maximum-69	Easy	Math	Easy; had to look for functions tho		
24th Jul 2021	https://leetcode.com/problems/defanging-ar	Easy	Math	Had to look up STL funcitons for strings		
	https://leetcode.com/problems/powx-n/	Easy	Math	STL function used; how to do without it		
25th Jul 2021	https://leetcode.com/problems/max-chunks	Hard		Class question; interview prep		
	https://leetcode.com/problems/xor-operatio	Easy	Math	Very easy		
27th Jul 2021	https://leetcode.com/problems/minimum-flip	Medium	Bitmasking	Had to think; brackets be careful		
	https://leetcode.com/problems/count-of-mat	Easy	Math	Very easy		
	https://leetcode.com/problems/lru-cache/	Medium		Class question; interview prep		
28th Jul 2021	https://leetcode.com/problems/reformat-dat	Easy	Hashmap	Easy		
31st Jul 2021	https://leetcode.com/problems/minimum-nu	Hard	DP	Had to look at solution; found it hard		
	I DID NOT CODE AGAIN BECAUSE I WAS TOO DEPRESSED TO DO SO; FUCK SPO INTERN DRIVE					
	YEA I GOT AN INTERN WOHOOOO; TIME FOR A FOOKIN BREAK -_-					
19th Sep 2021	https://leetcode.com/problems/arithmetic-sli	Medium	DP	Found hard, had to see video solution		
21st Sep 2021	https://leetcode.com/problems/uncrossed-li	Medium	DP	Similar to LCS problem; found it easy		
	https://leetcode.com/problems/same-tree/	Easy	Binary Tree	Easy; recursive approach		
	https://leetcode.com/problems/symmetric-tr	Easy	Binary Tree	Recursion based; easy		
	https://leetcode.com/problems/triangle/	Medium	2d DP	Found a bit hard; top down approach		
	https://leetcode.com/problems/sqrtx/	Easy	Math	Easy to solve		
24th Sep 2021	https://leetcode.com/problems/valid-perfect	Easy	Math	Brute force implementation		
25th Sep 2021	https://leetcode.com/problems/ugly-number	Easy	Math	Can be optimised in terms of memory usage		
26th Sep 2021	https://leetcode.com/problems/water-bottles	Easy	Math	Simple; had to work out the math a bit		