

Prompt	Scratchpad	Our Solution(s)	Video Explanation	Run Code	Your Solutions	Run Code
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Solution 1	Solution 2	Solution 3
<pre>1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved. 2 3 class Program { 4 // O(Log(n)) time O(1) space 5 func binarySearch(array: [Int], target: Int) -> Int { 6 var leftPointer = 0 7 var rightPointer = array.count - 1 8 return binarySearchHelper(array: array, target: target, leftPointer: &leftPointer, rightPointer: &rightPointer) 9 } 10 11 func binarySearchHelper(array: [Int], target: Int, leftPointer: inout Int, rightPointer: inout Int) -> Int { 12 while leftPointer <= rightPointer { 13 let middle = (leftPointer + rightPointer) / 2 14 let potentialMatch = array[middle] 15 if target == potentialMatch { 16 return middle 17 } else if target < potentialMatch { 18 rightPointer = middle - 1 19 } else { 20 leftPointer = middle + 1 21 } 22 } 23 24 return -1 25 } 26 } 27</pre>		<pre>1 class Program { 2 func binarySearch(array: [Int], target: Int) -> Int { 3 // Write your code here. 4 return -1 5 } 6 } 7</pre>

Run or submit code when you're ready.

Our Tests	Your Tests	Quick Test	BETA
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28
29	30	31	32
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45	46	47	48
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57	58	59	60
61	62	63	64
65	66	67	68
69	70	71	72
73	74	75	76
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85	86	87	88
89	90	91	92
93	94	95	96
97	98	99	100