

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(Log(n)) space 5     func binarySearch(array: [Int], target: Int) -&gt; Int { 6         return binarySearchHelper(array: array, target: target, leftPointer: 0, rightPointer: array.count - 1) 7     } 8 9     func binarySearchHelper(array: [Int], target: Int, leftPointer: Int, rightPointer: Int) -&gt; Int { 10        if leftPointer &gt; rightPointer { 11            return -1 12        } 13        let middle = (leftPointer + rightPointer) / 2 14        let potentialMatch = array[middle] 15        if target == potentialMatch { 16            return middle 17        } else if target &lt; potentialMatch { 18            return binarySearchHelper(array: array, target: target, leftPointer: leftPointer, rightPointer: middle - 1) 19        } else { 20            return binarySearchHelper(array: array, target: target, leftPointer: middle + 1, rightPointer: rightPointer) 21        } 22    } 23 } 24</pre>		<pre>1 class Program { 2     func binarySearch(array: [Int], target: Int) -&gt; 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
49	50	51	52
53	54	55	56
57	58	59	60
61	62	63	64
65	66	67	68
69	70	71	72
73	74	75	76
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81	82	83	84
85	86	87	88
89	90	91	92
93	94	95	96
97	98	99	100