Prompt   Scratchpad   Our Solution(s)   Video Explanation   Run Code

Solution 1   Solution 2

```python
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# O(log(n)) time | O(1) space
def searchForRange(array, target):
    finalRange = [-1, -1]
    alteredBinarySearch(array, target, 0, len(array) - 1, finalRange, True)
    alteredBinarySearch(array, target, 0, len(array) - 1, finalRange, False)
    return finalRange


def alteredBinarySearch(array, target, left, right, finalRange, goLeft):
    while left <= right:
        mid = (left + right) // 2
        if array[mid] < target:
            left = mid + 1
        elif array[mid] > target:
            right = mid - 1
        else:
            if goLeft:
                if mid == 0 or array[mid - 1] != target:
                    finalRange[0] = mid
                    return
                else:
                    right = mid - 1
            else:
                if mid == len(array) - 1 or array[mid + 1] != target:
                    finalRange[1] = mid
                    return
                else:
                    left = mid + 1
```