Solution 1 Solution 2

Our Solution(s)

Solution 1

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Run Code

```
Your Solutions Run Code
```

Solution 3

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
3 package main
 5 // Best: O(n) time | O(1) space
 6 // Average: O(n) time | O(1) space
   // Worst: O(n^2) time | O(1) space
   func Quickselect(array []int, k int) int {
     return helper(array, 0, len(array)-1, k-1)
10 }
11
12 func helper(array []int, start, end int, position int) int {
13
14
       if start > end {
15
         panic("This should never happen!")
16
17
       pivot, left, right := start, start+1, end
        for left <= right {</pre>
18
         if array[left] > array[right] && array[right] < array[pivot] {</pre>
19
20
            swap(left, right, array)
21
22
          if array[left] <= array[pivot] {</pre>
23
           left += 1
24
25
          if array[right] >= array[pivot] {
26
           right -= 1
27
28
29
        swap(pivot, right, array)
30
       if right == position {
31
         return array[right]
32
        } else if right < position {
         start = right + 1
33
```

```
package main

func Quickselect(array []int, k int) int {
    // Write your code here.
    return -1
}
```

Run or submit code when you're ready.

Separate - M