1. 134. Given an array arr of positive integers sorted in a strictly increasing order, and an integer k. return the kth positive integer that is missing from this array. Example 1: Input: arr = [2,3,4,7,11], k = 5 Output: 9 Code: def find\_kth\_missing(arr, k): current = 1missing count = 0index = 0while True: if index < len(arr) and arr[index] == current: index += 1else: missing count += 1 if missing count == k: return current current += 1 arr = [2, 3, 4, 7, 11]k = 5print("The {}th missing positive integer is: {}".format(k, find kth missing(arr, k)))

Time complexity:  $f(n) = 0(n \log n)$