It defines a function qck_slct which takes four parameters, data, l, r and k. The func performs quicksort algo. on the array data, from index l to index r, and returns the kth smallest element. If l and r are equal it means the array has one element, so it returns that element as the kth smallest element. It calls another function called partition, which takes 3 parameters data, l, and r. It assigns the pivot element to the variable pvt. It initializes a variable j to (-1, which keeps track of the index of the last element that is smaller than or equal to the pivot. It loops from index l to index r-1, For each index i, if the element at index i is smaller than or equal to

the pivot, it increments j by one and swaps the elements at index i and index j.

It increments j by one and swaps the elements at index j+1 and index r. It returns the value of j+1, called in the index of the pivot elem in the array. If k is equal to pvt, pivot = kth smallest elem. and returns it. If k is smaller than pvt, it recursively calls the qcksrt function with data, l, pvt-1 and k, otherwise with data, pvt+1, r and k.