Video 1. Susertion and deletion array - fixed-length sequence of elements of the same type access to elements by indices → O(1) time reference type - stores references to the values, not the actual values insertion: add element at index i shift forward n-i elements (i to n-1) set element at index i and increment n morst case: time O(n)space O(1) deletion: remove element at index i shiff back n-i-1 elements (i+1 to n-1) decrement u worst case: time O(n) space O(1) Video 2. Insertion sort algorithm sort (a) Input Output input: a zu] output: sorted a Suserdion Sort(a) for k from 1 to n-1 do insert a[L] at its proper location in-place algorithm: modifies the array directly implicit output no need for explicit return

