WriteUp

- The code begins by creating a SortedSet<Integer> (implemented by a TreeSet<Integer>) to store the unique elements of the input array in sorted order.

- A 2D array dp[][] is used to store the lengths of common subsequences between prefixes of the original array and the unique, sorted array. The dimensions of this table are (m + 1) x (n + 1), where m is the size of the unique, sorted array and n is the size of the original array.

- The last cell dp[m][n] contains the length of the LCS between the entire original array and the entire unique, sorted array, which is also the length of the LIS for the original array.