**Longest Increasing Subsequence – Write up**

**Project objective:** write a program to find the longest increasing subsequence

**Software used:** Spring tool suite IDE

**Steps:**

Step 1: Importing the necessary libraries

Step 2: Creating longsubseq class and main function

Step 3: Length of the array and elements are entered

Step 4: If the subsequence is in increasing order value of array a[] increased by 1 (2 For loop)

Step 5: The maximum value stored in array is returned to calling function

Step 6: Displaying Longest Subsequence