

LIS Algorithm

Step 1: Open the Eclipse navigator.

Step 2: Create a new Java Project named Test and create a class to find the longest increasing subsequence. A **subsequence** is a sequence that can be derived from an array by deleting some or no elements without changing the order of the remaining elements.

Step 3: In the main class of Test create an arraylist where you can store all the list of numbers in this arraylist and pass this arraylist to the method lengthOfLIS in the class of LIS.

Step 4: Write the program to return the max length of the subsequence.

Step 5 : Run it as a Java application and exit the eclipse editor.