Longest Increasing Subsequence

Introduction:

This Longest Increasing Subsequence program which will give the use LIS

Installation Guide:

- 1. GitHub link: https://github.com/baljeet-singh97/LongestIncreasingSubsequence
- 2. Download the entire project as Zip in local system.
- 3. import the project in Eclipse IDE

How to use:

1. After running the code you will see the window like:

2. Enter the number of values you want to store, then store all the values and press enter you will get you Longest Increasing Subseq.

```
if (arr[j]<arr[i])

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Code Description:

Main Function:

//making object of class Subseq Subseq obj = new Subseq();

Classes:

 created class "Subseq" to perform the longest increasing subsequence

Created return type method to find LIS and return it to main. int lis(int arr[], int n)

//after every iteration we are comparing the current length with prev length.

```
max = Math.max(max,arrseq[i]);
//returning the LIS
return max;
```