**Longest Increasing SubSequence**

**Description:**

The Longest Increasing Subsequence (LIS) problem is to find the length of the longest subsequence of a given sequence such that all elements of the subsequence are sorted in increasing order.

For example, the length of LIS for {10, 22, 9, 33, 21, 50, 41, 60, 80} is 6 and LIS is {10, 22, 33, 50, 60, 80}.

**The following are used**

* GitHub
* Eclipse
* Core Java Concepts
* Array

**The following operation is performed:**

The program accepts the array of numbers from the user of the user desired length(<=100).

It gives the Longest Increasing SubSequence length as a result.