LongIncreasingSequence.java ✕

```java
 1  package out.github.subsequence;
 2
 3  public class LongIncreasingSequence {
 4      static int max_ref; // stores the Long increasing Sequence
 5      static int _lis(int arr[], int n)
 6      {
 7          if (n == 1)
 8          return 1;
 9          int res, max_ending_here = 1;
10          for (int i = 1; i < n; i++) {
11          res = _lis(arr, i);
12          if (arr[i - 1] < arr[n - 1]
13          && res + 1 > max_ending_here)
14          max_ending_here = res + 1;
15          }
16          if (max_ref < max_ending_here)
17          max_ref = max_ending_here;
18          return max_ending_here;
19      }
20      static int lis(int arr[], int n)
21      {
22          max_ref = 1;
23          _lis(arr, n);
24          return max_ref;
25      }
26      public static void main(String args[])
27      {
28          int arr[] = { 10, 22, 9, 33, 21, 50, 41, 60, 80};
29          int n = arr.length;
30          System.out.println("Length of Long increasing sequence is " + lis(arr,n)+ "\n");
31      }
32  }
33
34  |
35
```

Markers   Properties   Servers   Data Source Explorer   Snippets   Console ✕
<terminated> LongIncreasingSequence [Java Application] C:\Program Files\Java\jdk-16.0.2\bin\javaw.exe
ong increasing sequence is 6

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