```java
package com.hello;

public class LongestIncreasingSubsequence
{
	static int max_ref;
	static int _lis(int arr[], int n)
	{
		if (n == 1)
		return 1;
		int res, max_ending_here = 1;
		for (int i = 1; i < n; i++)
		{
			res = _lis(arr, i);
			 if (arr[i - 1] < arr[n - 1] && res + 1 >max_ending_here)
			  max_ending_here = res + 1;
		}
		if (max_ref < max_ending_here)
		max_ref = max_ending_here;
		return max_ending_here;
	  }
	  static int lis(int arr[], int n)
	  {
		max_ref = 1;
		_lis(arr,n);
		return max_ref;
	  }
	  public static void main(String args[])
	  {
		int arr[] = { 10, 22, 9, 33, 21, 50, 41, 60 };
		int n = arr.length;
		System.out.println("Length of lis is" + lis(arr, n) + "\n");
	  }
	}
```