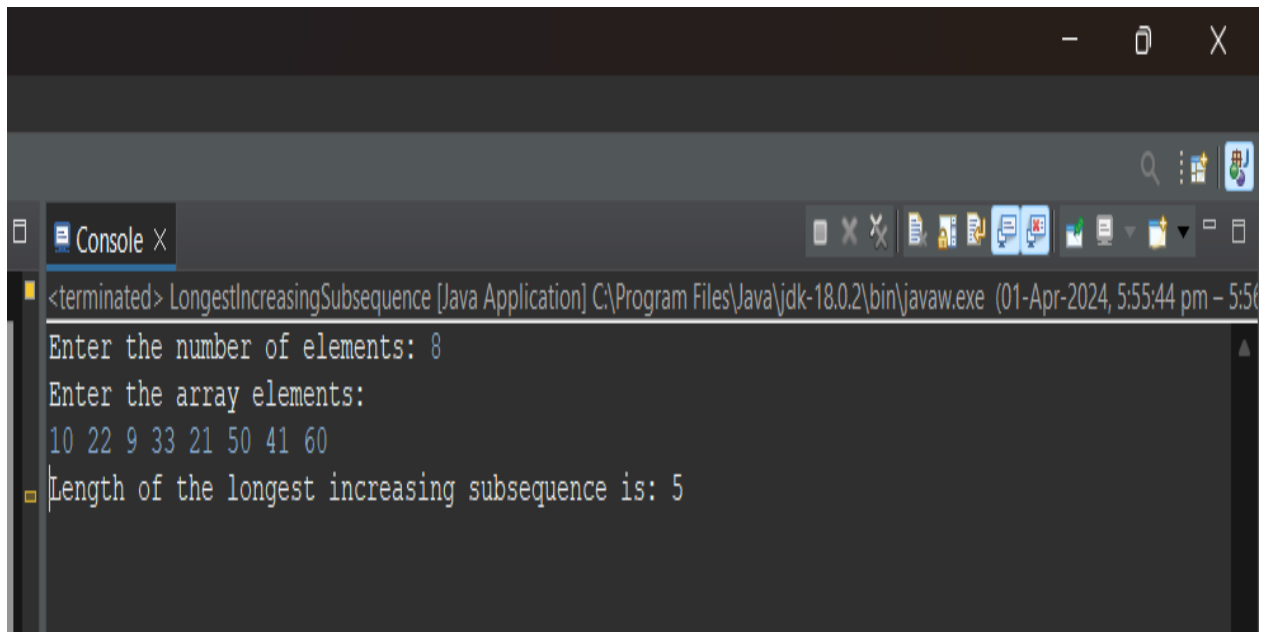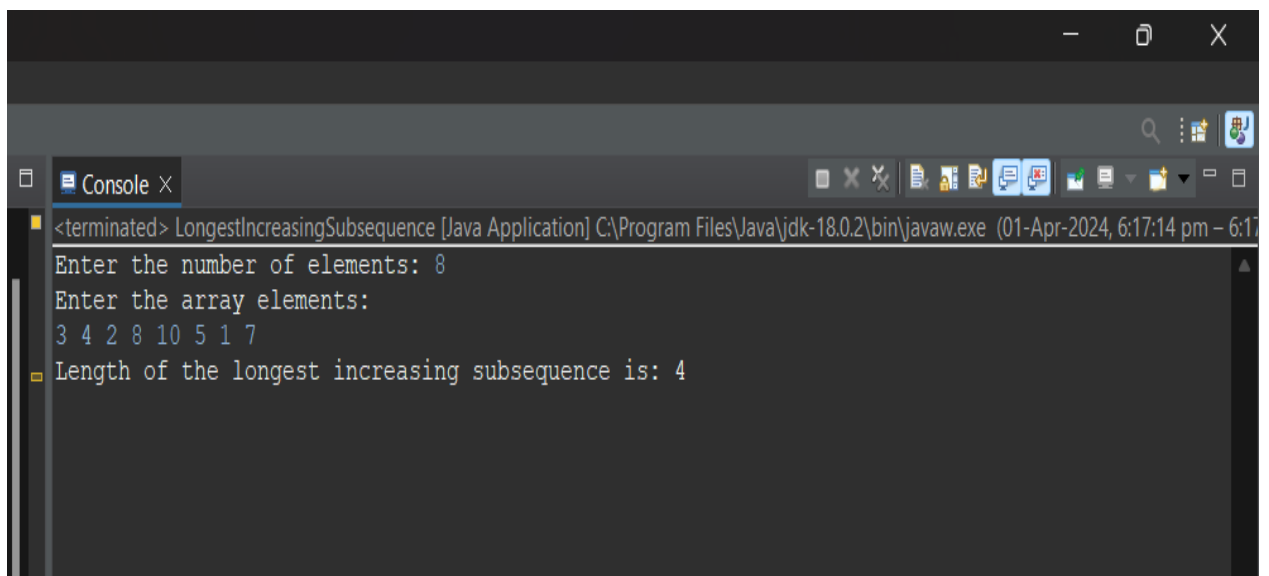# Longest Increasing Subsequence

Output: -


```
<terminated> LongestIncreasingSubsequence [Java Application] C:\Program Files\Java\jdk-18.0.2\bin\javaw.exe  (01-Apr-2024, 5:55:44 pm – 5:56
Enter the number of elements: 8
Enter the array elements:
10 22 9 33 21 50 41 60
Length of the longest increasing subsequence is: 5
```
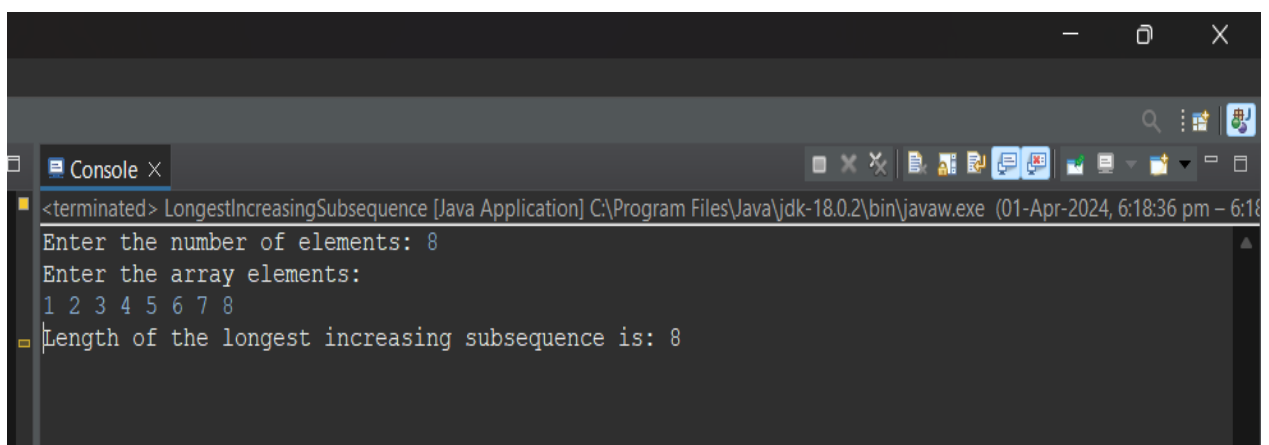


```
<terminated> LongestIncreasingSubsequence [Java Application] C:\Program Files\Java\jdk-18.0.2\bin\javaw.exe  (01-Apr-2024, 6:17:14 pm – 6:17
Enter the number of elements: 8
Enter the array elements:
3 4 2 8 10 5 1 7
Length of the longest increasing subsequence is: 4
```



```
<terminated> LongestIncreasingSubsequence [Java Application] C:\Program Files\Java\jdk-18.0.2\bin\javaw.exe  (01-Apr-2024, 6:18:36 pm – 6:18
Enter the number of elements: 8
Enter the array elements:
1 2 3 4 5 6 7 8
Length of the longest increasing subsequence is: 8
```