

CS23331-DAA-2024-CSE / 4-DP-Longest non-decreasing Subsequence

4-DP-Longest non-decreasing Subsequence

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Started on Friday, 24 October 2025, 2:06 PM
Completed on Friday, 24 October 2025, 2:08 PM
  Time taken 2 mins 38 secs
       Marks 1.00/1.00
       Grade 10.00 out of 10.00 (100%)
```

Question 1 | Correct Mark 1.00 out of 1.00 ♥ Flag question

Problem statement:

Find the length of the Longest Non-decreasing Subsequence in a given Sequence.

Eg:

Input:9

Sequence:[-1,3,4,5,2,2,2,2,3]

the subsequence is [-1,2,2,2,2,3]

Output:6

Answer: (penalty regime: 0 %)

```
3 r int max(int a, int b) {
4     return (a > b) ? a : b;
7 v int main() {
8     int n;
9     scanf("%d", &n);
10
        }
if (dp[i] > max_len)
max_len = dp[i];
```

		Input	Expected	Got	
~	•	9 -1 3 4 5 2 2 2 2 3	6	6	~
~	•	7 1 2 2 4 5 7 6	6	6	*

Passed all tests! 🗸

Marks for this submission: 1.00/1.00

Finish review

