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Batch :- B2

Problem Statement: Given an integer array nums, return the length of the longest strictly increasing

Subsequence.

Code:

class Solution {

public:

int lengthOfLIS(vector<int>& nums)

{

int l[nums.size()];

fill\_n(l, nums.size(), 1);

for (int i = 1; i < nums.size(); i++)

{

for (int j = 0; j < i; j++)

{

if (nums[i] > nums[j] && l[i] <= l[j])

{

l[i] = l[j] + 1;

}

}

}

int max = l[0];

for (int i = 0; i < nums.size(); i++)

{

if (l[i] > max)

{

max = l[i];

}

}

return max;

}

};

OutPut: -



