# 334. Increasing Triplet Subsequence

Given an integer array nums, return true if there exists a triple of indices (i, j, k) such that i < j < k and nums[i] < nums[j] < nums[k]. If no such indices exists, return false.

## SOLUTION IN C++

class Solution {

public:

bool increasingTriplet(vector<int>& nums) {

int first = INT\_MAX;

int second = INT\_MAX;

for (const int num : nums)

if (num <= first)

first = num;

else if (num <= second) // first < num <= second

second = num;

else

return true; // first < second < num (third)

return false;

}

};