**7 kyu**

**Dominant array elements**

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C++

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An element in an array is dominant if it is greater than all elements to its right. You will be given an array and your task will be to return a list of all dominant elements. For example:

solve([1,21,4,7,5]) = [21,7,5] because 21, 7 and 5 are greater than elments to their right.

solve([5,4,3,2,1]) = [5,4,3,2,1]

Notice that the last element is always included.

More examples in the test cases.

<https://www.codewars.com/kata/dominant-array-elements/cpp>

#include <vector>

#include <iostream>

using namespace std;

std::vector<int> solve(std::vector<int> array){

  //your code here

  int n = array.size();

  std::vector<int> v;

  int max\_actual = -1;

  for(int i = n-1; i>=0; i--) {

      if(array[i] > max\_actual) {

         max\_actual = array[i];

         v.push\_back(max\_actual);

      }

  }

  std::reverse(v.begin(), v.end());

  return v;

}

int main() {

    return 0;

}