

Inglese

A cura di Giulia Arletti

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1 How to create a web page with Notion

As soon as you see your desktop click on your favorite browser (please choose Chrome) then you should download Notion. In order to do that, click on the search bar and type on your keyboard notion.so. Click on the first result, then click the blue download button, wait until it is complete, open the download folder, extract the dmg file, open the desktop app, go with [GoOgLe](https://www.google.com). You will see on the left side of your menu page; select new page with the plus symbol, write your title. On the right corner you will see the share option — click on it. A window will appear with the publish option; select it and then click the blue publish button at the end of the page to finally publish your page online.

2 Assignment

I have an agricultural background with a focus on chemical subjects and green-footprint entrepreneurship.

I have worked in the manufacturing field since 2022.

I have studied German and economics.

I have been working in a server company, so I have seen programmers that made me enthusiastic.

I am Cambridge IELTS certified and I have done some volunteering.

3 Assignment — Job Interview

I'm sorry I'm unemployable I know, but give me a try?

4. What qualifies you to work for this company?

- My previous studies and the side projects I have made.
- The work experience.

12. Describe your communication techniques.

- Direct, but with regard to formality and professionalism.

21. Do you think you will be able to fit into our culture?

- I have a versatile attitude and the enthusiasm necessary to embrace a new company.

6. What are your strongest programming skills?

- I have mastered OOP.

11. How do you feel about working on a team?

- It is the most interesting part, but it requires a lot of proactive attitude and a correct balance between communication and the technical side.

17. What motivates you as a developer?

- Enhancing digital proficiency in my country.

Which desktop operating systems are you familiar with? Which one do you prefer and why?

- I prefer Mac because it does not crash while I am using it.

6. What are some important factors you consider when initiating a new project?

- I consider the average approach and then the overall vibe of the project.

9. What are some projects you have worked on that required high-level programming languages?

- I am not yet used to this, but I have used Pygame, Pandas, and Django.

10. Do you integrate AI and programming?

- Nowadays we are somewhat forced to use them, while the reality is that we still must manage the work ourselves before adopting a technology that can technically reduce the workload.

What types of technical resources and tools do you need to complete software development tasks?

- My workflow is composed of a prototyping session where I write down ideas in a raw draft, then I revise it until I create an artifact that can last for at least one year. Then I start task assignment with Trello, I create a prototype, I test it, and then share it with the world — but it is never 100% complete.

For me, a job interview is like throwing an arrow.

4 Technical Exercise

Given an integer array `nums` and an integer `val`, remove all occurrences of `val` in `nums` **in-place**. The order of the elements may be changed. Then return the number of elements in `nums` which are not equal to `val`.

Consider the number of elements in `nums` which are not equal to `val` be k . To get accepted, you need to do the following things:

- Change the array `nums` such that the first k elements of `nums` contain the elements which are not equal to `val`. The remaining elements of `nums` are not important, nor is the size of `nums`.
- Return k .

Custom Judge

The judge will test your solution with the following code:

```
int[] nums = [...];           // Input array
int val = ...;                // Value to remove
int[] expectedNums = [...];   // The expected answer with correct
                              length.
```

```

// It is sorted with no values equaling
// val.

int k = removeElement(nums, val); // Calls your implementation

assert k == expectedNums.length;
sort(nums, 0, k); // Sort the first k elements of nums
for (int i = 0; i < actualLength; i++) {
    assert nums[i] == expectedNums[i];
}

```

If all assertions pass, then your solution will be accepted.

Example 1

```

Input:  nums = [3,2,2,3], val = 3
Output: 2, nums = [2,2,_,_]
Explanation: Your function should return k = 2, with the first two
elements
           of nums being 2. It does not matter what you leave
           beyond the
           returned k (hence they are underscores).

```

Example 2

```

Input:  nums = [0,1,2,2,3,0,4,2], val = 2
Output: 5, nums = [0,1,4,0,3,_,_,_]
Explanation: Your function should return k = 5, with the first five
elements
           containing 0, 0, 1, 3, and 4. Note that the five
           elements can
           be returned in any order. It does not matter what you
           leave
           beyond the returned k (hence they are underscores).

```

Constraints

- $0 \leq \text{nums.length} \leq 100$
- $-100 \leq \text{nums}[i] \leq 50$
- $0 \leq \text{val} \leq 100$

Solution Template (C++)

```

class Solution {
public:
    int removeElement(vector<int>& nums, int val) {
        // Start here your solution
    }
};

```