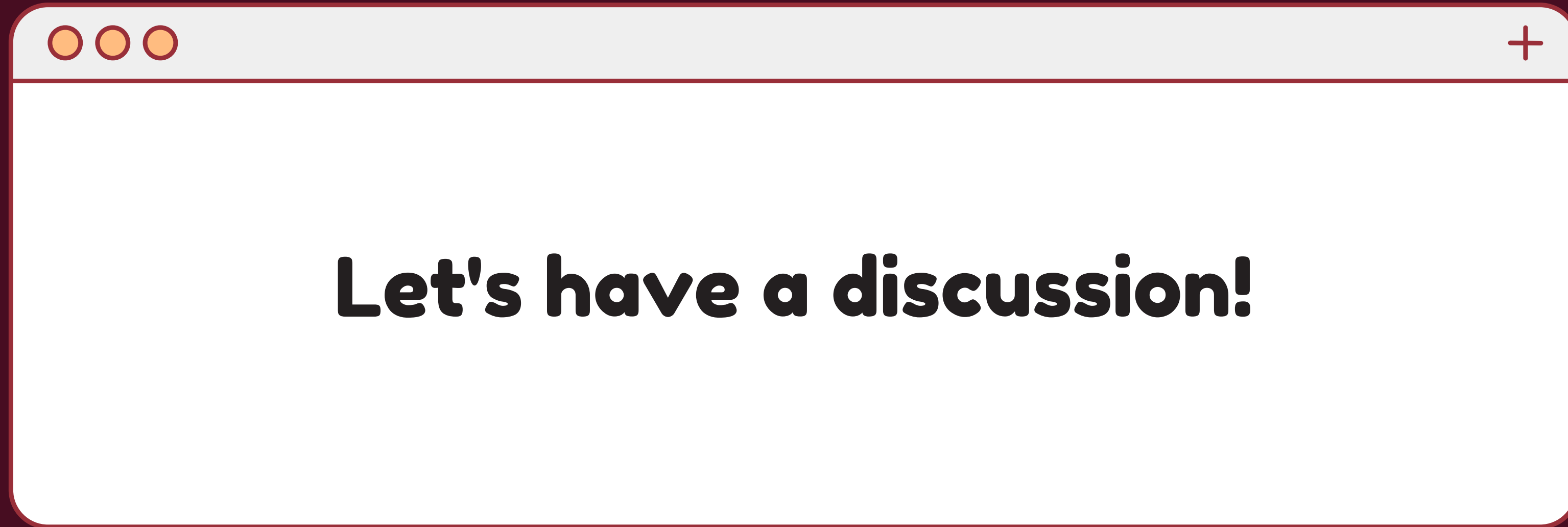




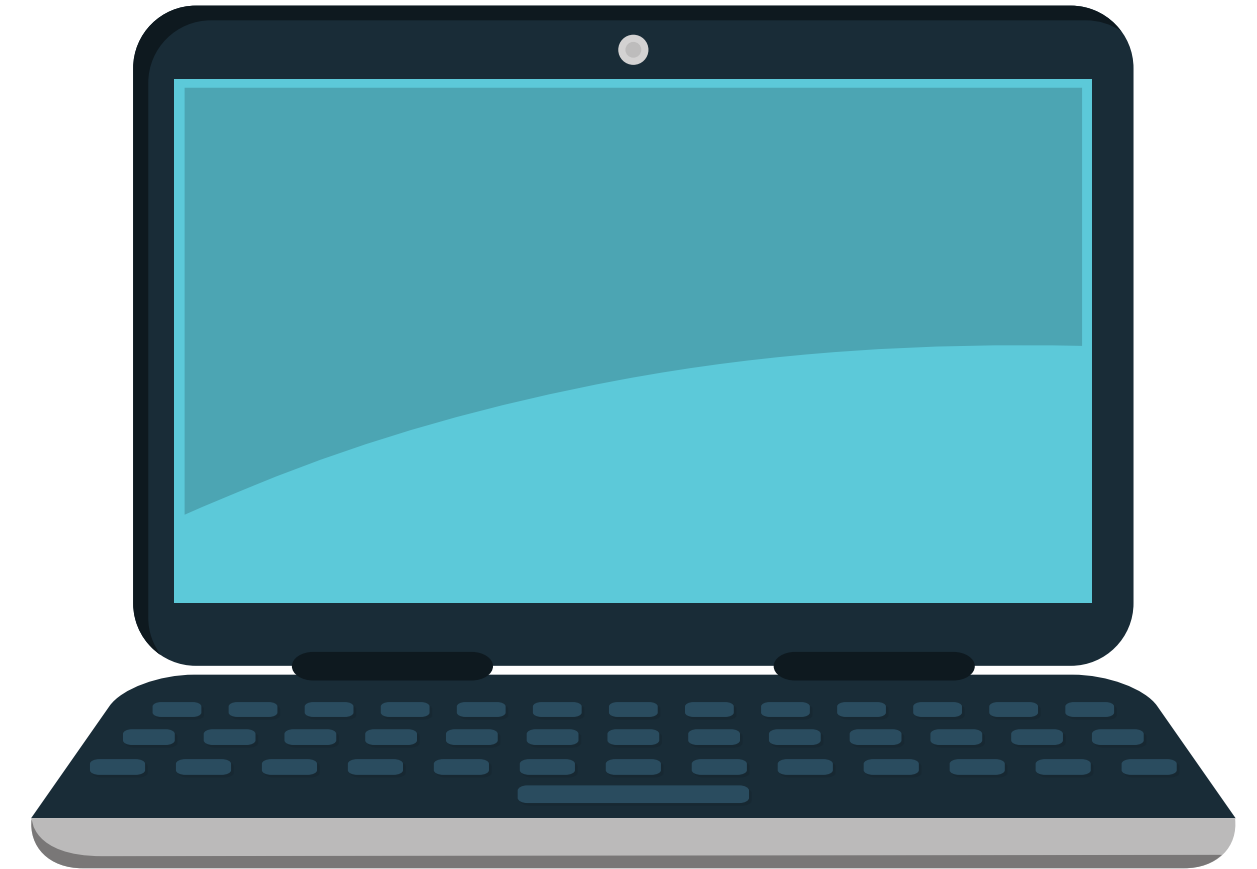
# Getting an Internship: Coding Tests

We hope you are having fun! ;)



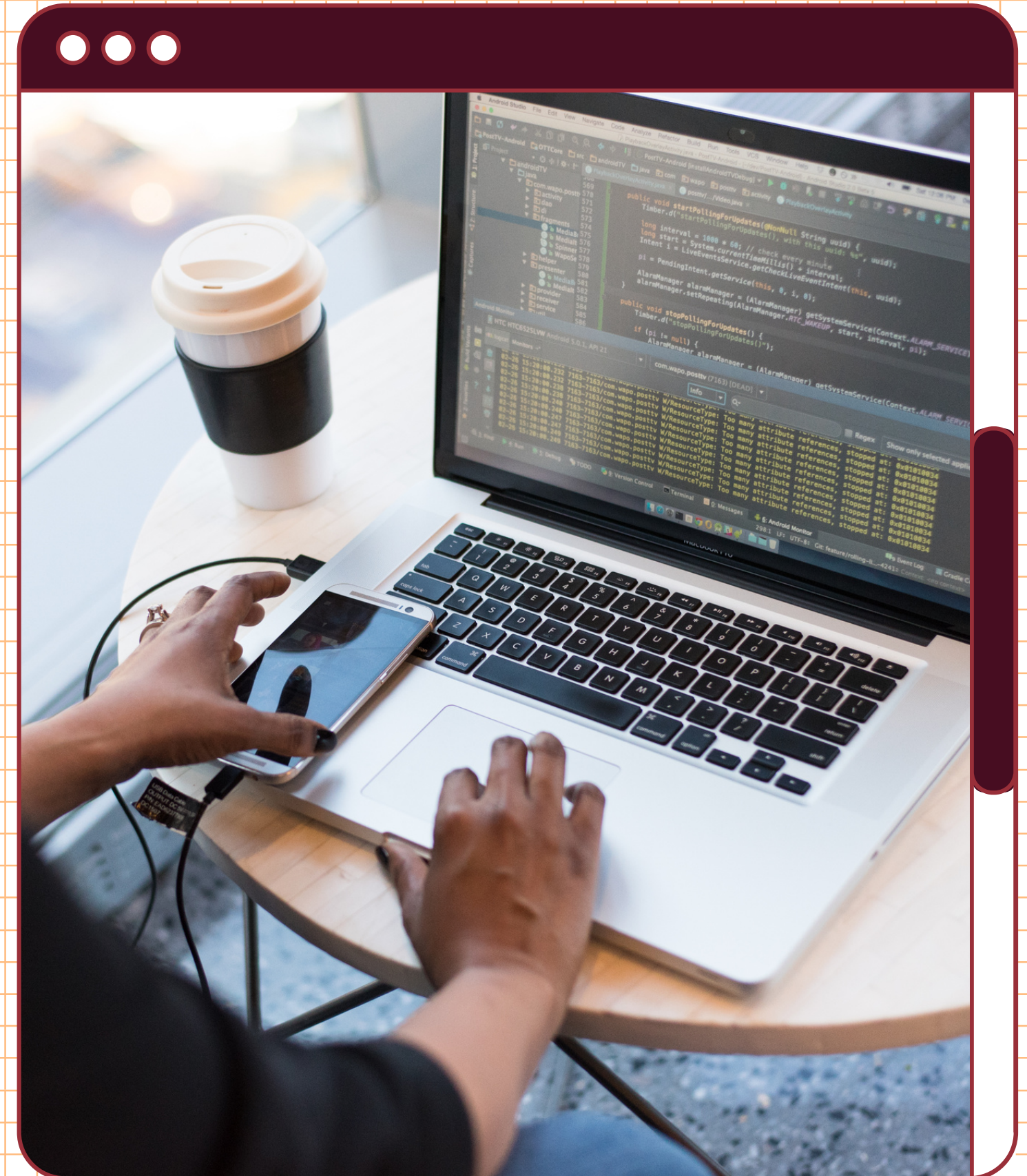
# How does it work?

- In order to select candidates for an interview, companies first do a “**screening**” process, which for many internship roles related to CS includes an **online coding challenge**.
- These coding tests vary by company, but usually, there are a few questions that test a range of skills they expect each intern to have.



# Why is it important?

This is one of the parts of the process where you need to **show your skills** in order to be able to get your final interview.



# What are we going to learn today?



**How to prepare for  
coding interviews**

**Tips to succeed**

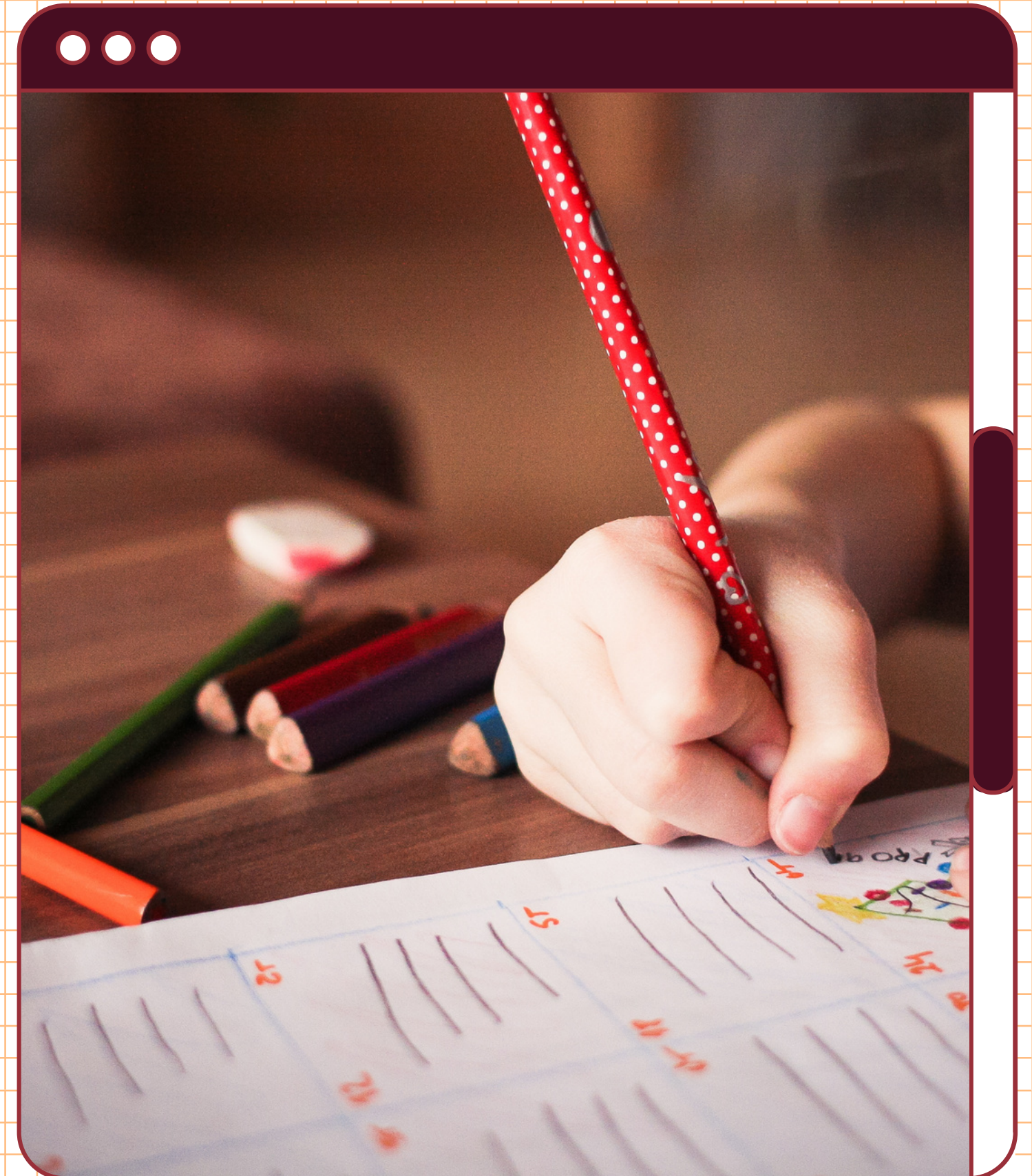
**Coding Questions**



# How to Prepare

## **PRACTICE!**

Yes, knowing how to code is important. But it isn't only that, it's also practicing the type of questions they ask, knowing how to structure your code, data structures, etc. And that is what we're going to do today!



We hope you are having fun! ;)



# Tips to Ace Your Interview!

- Do NOT stress if you immediately do not know the answer
- Use resources to practice: LeetCode and HackerRank
- Use a HashMaps when trying to reduce time complexity!
- Don't forget edge cases, commenting code, and testing



HackerRank



# Tips to Ace Your Interview!

- Explain how you are deriving the solution or thinking about the problem
- Remember to manage your time
- Revise:
  - Time complexity
  - Different sorting algorithms
  - Iterative programming / Dynamic programming
  - Data structures



HackerRank

We hope you are having fun! ;)



**Let's code!**

# Coding Questions

## Wicked Warm-Up

<https://leetcode.com/problems/running-sum-of-1d-array/>

## Amazing Arrays

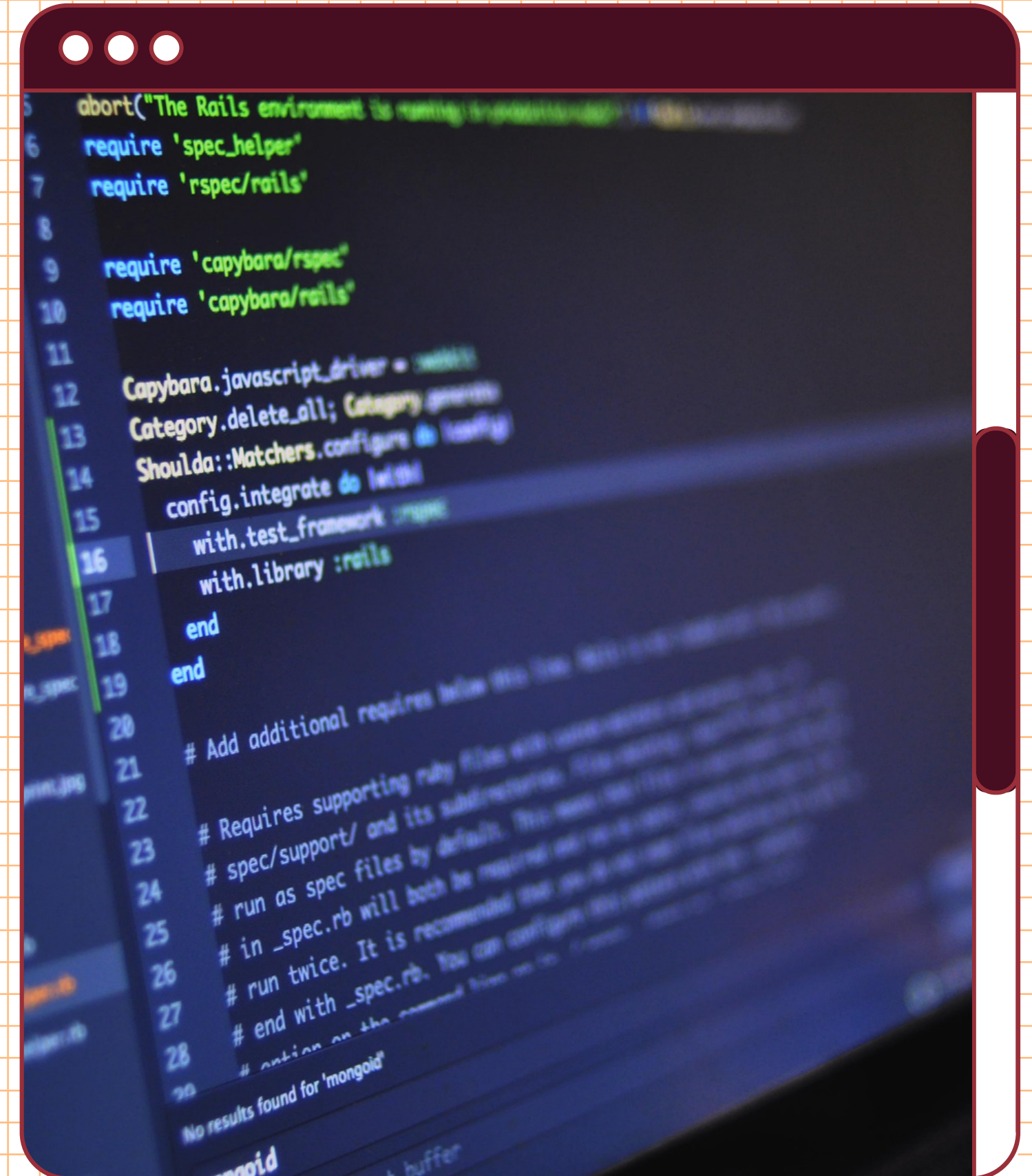
[https://www.hackerrank.com/challenges/array-left-rotation/problem?h\\_r=profile](https://www.hackerrank.com/challenges/array-left-rotation/problem?h_r=profile)

## Lovely Linked-Lists

<https://leetcode.com/problems/palindrome-linked-list/>

# Extra Amazing Materials

- LeetCode Patterns
  - <https://seanprashad.com/leetcode-patterns/>
- Coding Interviews Books
  - <https://www.pdfdrive.com/cracking-the-coding-interview-books.html>





Until next week!



**With everything you've learned today, any company would invite you to the next round of interviews. But, what are those all about?**

**Come to next week's workshop to our second round interview prep and find out!**

**Apply to be  
InfPals Leader  
in 2022/2023**

