ACM Fall 2021

CSIP 14

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Introduction

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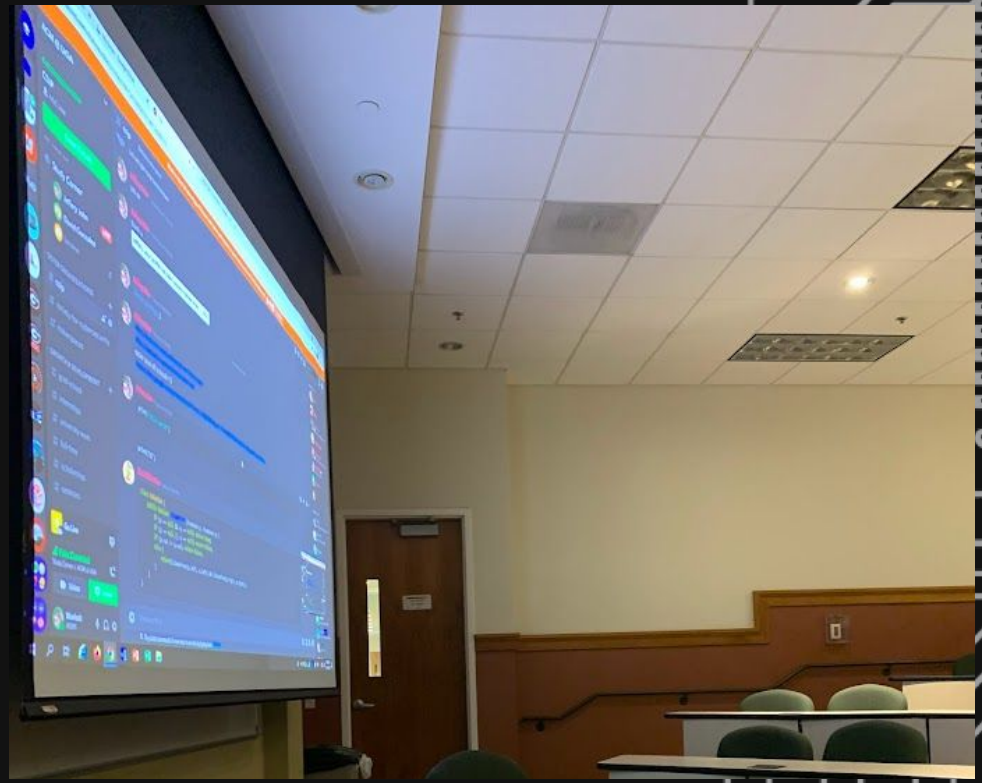
Welcome!



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Welcome to Association for Computing Machinery @ UGA

TOP THINGS TO DO HERE

- **Join us for interview prep!** #csip
- **Receive notifications around the community** #role-select
- **See what events are happening** #shared-calendar
- **Look through our resources** #general-resources
- **Introduce yourself** #intros

I'll just look around for now

Upcoming Events

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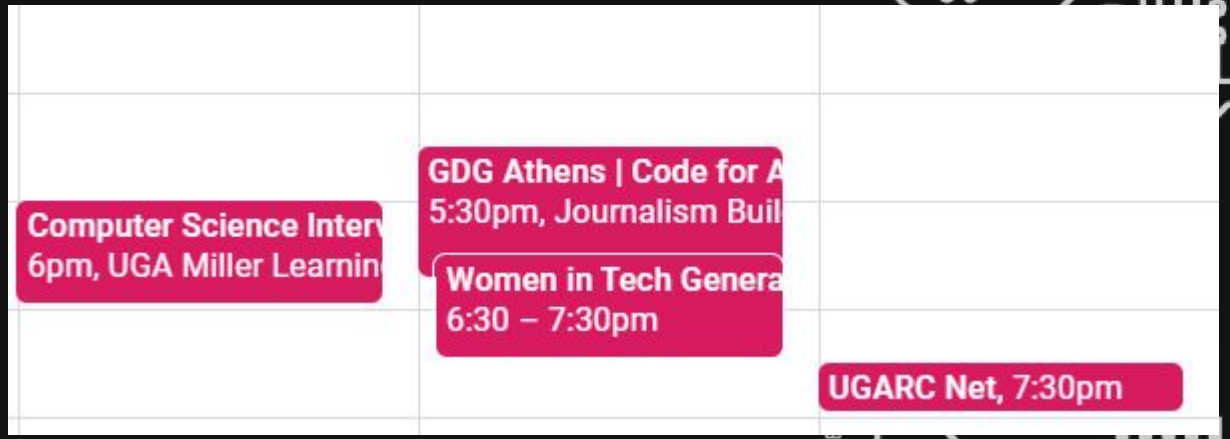
Computer Science Interv
6pm, UGA Miller Learnin
GDG Athens | Code for A
5:30pm, Journalism Buil
Women in Tech Genera
6:30 – 7:30pm
UGARC Net, 7:30pm

Wednesday, Dec. 1 · 5:30pm

NMI Active Learning Space
Journalism Building Room 418

CODE FOR ATH

LAUNCH

+ KICKOFF EVENT

Meet a group of ***people-centered problem solvers*** working to ***improve government*** in meaningful ways at the first-ever meeting of ***Code for Athens***, a local brigade of Code for America, a national non-profit that believes that ***government*** can work ***for the people, by the people***, in the ***digital age***.

Graciously hosted by GDG Athens
Can't make it in person? RSVP to join via Zoom!

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Mental health resources

Learning over break :)

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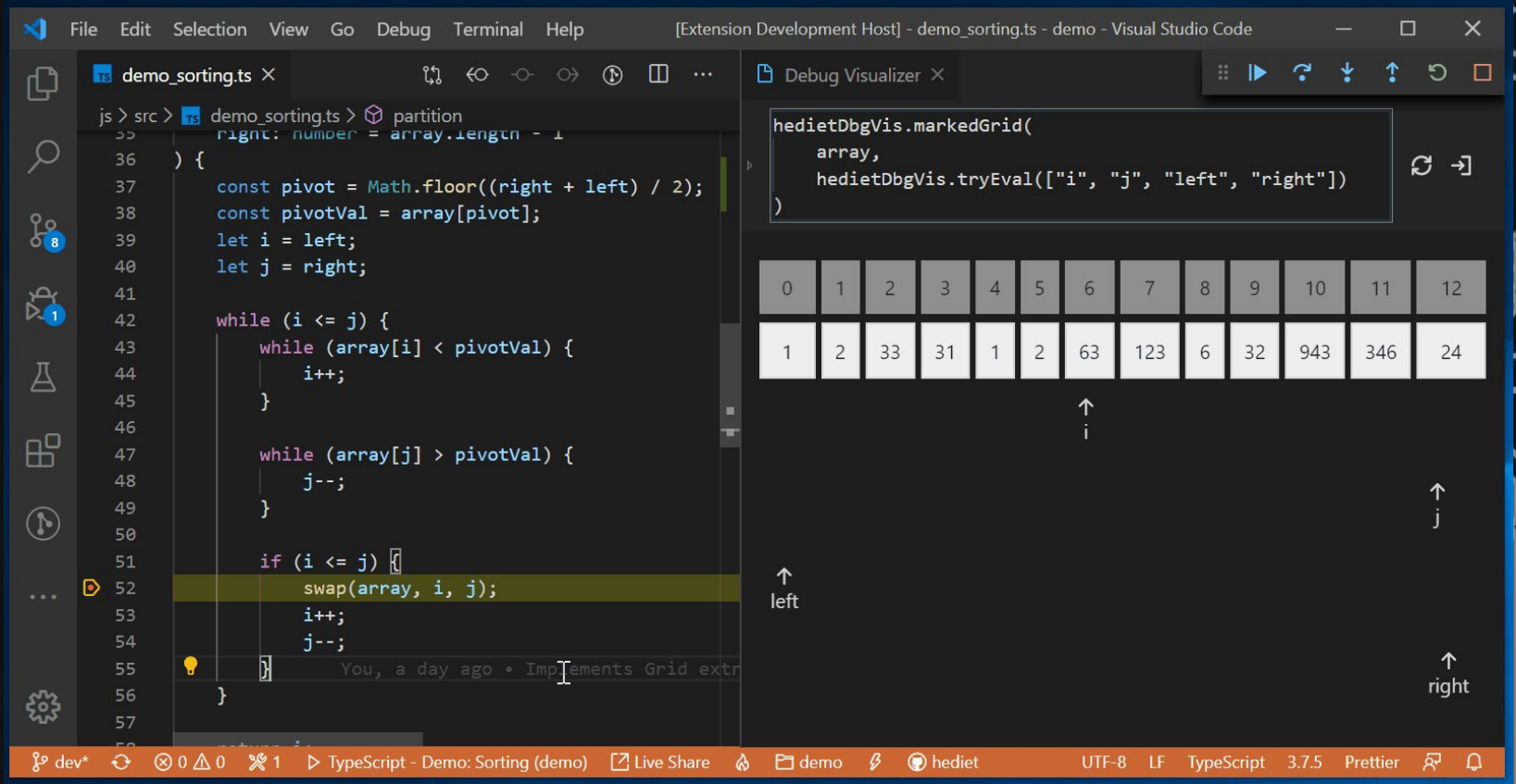
File Edit Selection View Go Debug Terminal Help
[Extension Development Host] - demo_sorting.ts - demo - Visual Studio Code
demo_sorting.ts
Debug Visualizer
js > src > demo_sorting.ts > partition
) {
const pivot = Math.floor((right + left) / 2);
const pivotVal = array[pivot];
let i = left;
let j = right;
while (i <= j) {
while (array[i] < pivotVal) {
i++;
}
while (array[j] > pivotVal) {
j--;
}
if (i <= j) {
swap(array, i, j);
i++;
j--;
}
You, a day ago • Implements Grid extr
}
hedietDbgVis.markedGrid(
array,
hedietDbgVis.tryEval(["i", "j", "left", "right"])
)
0 1 2 3 4 5 6 7 8 9 10 11 12
1 2 33 31 1 2 63 123 6 32 943 346 24
i
j
left
right
dev*
0 0 1
TypeScript - Demo: Sorting (demo)
Live Share
demo
hediet
UTF-8 LF TypeScript 3.7.5 Prettier

The Missing Semester of Your CS Education

Classes teach you all about advanced topics within CS, from operating systems to machine learning, but there's one critical subject that's rarely covered, and is instead left to students to figure out on their own: proficiency with their tools. We'll teach you how to master the command-line, use a powerful text editor, use fancy features of version control systems, and much more!

Students spend hundreds of hours using these tools over the course of their education (and thousands over their career), so it makes sense to make the experience as fluid and frictionless as possible. Mastering these tools not only enables you to spend less time on figuring out how to bend your tools to your will, but it also lets you solve problems that would previously seem impossibly complex.

Read about the motivation behind this class.

Schedule

- **1/13/20**: Course overview + the shell
- **1/14/20**: Shell Tools and Scripting
- **1/15/20**: Editors (Vim)

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January 2022

	MON	TUE	WED	THU	FRI
	27	28	29	30	31
	3	4	5	6	7
	10	11	12	13	14
	17	18	19	20	21
	24	25	26	27	28

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Practice

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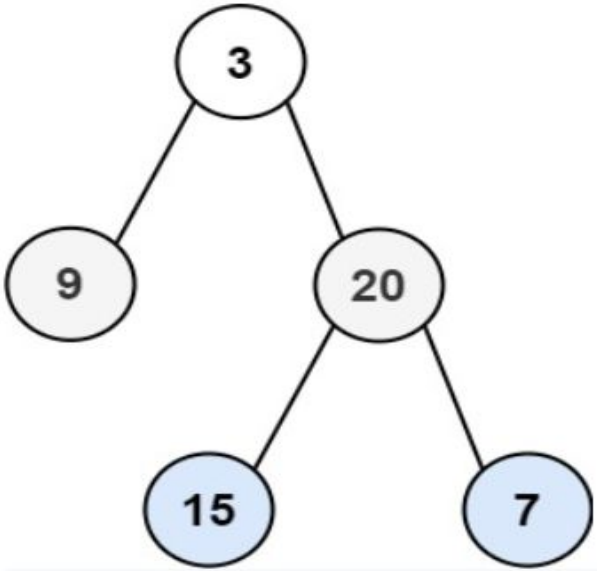
102. Binary Tree Level Order Traversal

Medium 6448 127 Add to List Share

Given the `root` of a binary tree, return *the level order traversal of its nodes' values*. (i.e., from left to right, level by level).

Example 1:




```
Input: root = [3,9,20,null,null,15,7]
Output: [[3],[9,20],[15,7]]
```

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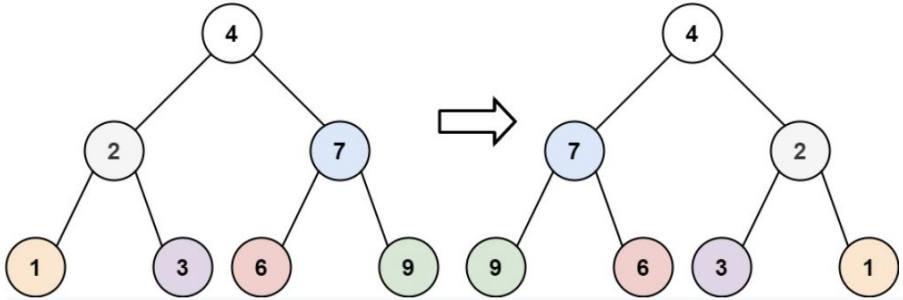
226. Invert Binary Tree

Easy 6977 95 Add to List Share

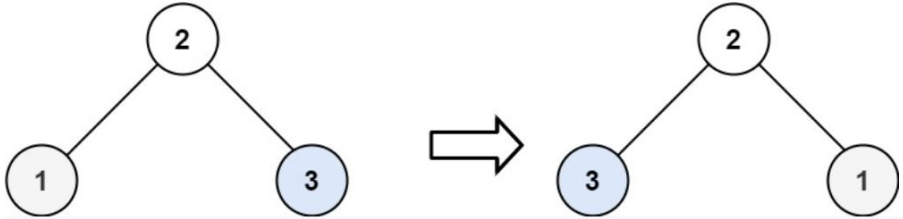
Given the `root` of a binary tree, invert the tree, and return *its root*.

Example 1:




```
Input: root = [4,2,7,1,3,6,9]
Output: [4,7,2,9,6,3,1]
```

Example 2:



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Conclusion

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→ Find us on:

- CS GroupMe
- GitHub
- LinkedIn
- Instagram
- Discord
- Calendar

→ Consider becoming a member!

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