

Looking Ahead

What's next?

After you complete these online assessments, you can expect to hear from your recruiter. The next interview round consists of interview(s) with current Meta software engineer(s). You'll receive more details and prep info before that interview occurs.

Appendix / Resources

Links to exercises, information, and guides to help you prepare

Below you will find some helpful resources for your interview.

About Meta

- [About Meta website](#)
- [Meta Newsroom website](#)
- [Meta Life website](#)
- [Meta Diversity website](#)

Coding Resources

- [Leetcode](#)
- [Hacker Rank](#)
- [Geeks Quiz](#)
- [Career Cup](#)

Study Exercises

If you want additional prep before your assessment, consider brushing up on CS fundamentals. Feel free to use this list as a starting point and tailor it to suit your areas of need. You do not need to complete all these exercises -- this is optional additional practice for you on specific concepts.

1. Overview

- Each exercise could take you up to 1 hour
- These solutions are written in Java, but you will be able to use your language of preference in the assessment
- Remember to analyze how “good” your solution is: how long does it take for your solution to complete? Watch this video to get familiar with [Big O Notation](#)

2. Exercises

Please note that these exercises assume you have knowledge in coding, but not necessarily knowledge of binary trees, sorting algorithms, or related concepts.

Topic 1 | Arrays & Strings

- [A Very Big Sum](#) (Warm-up, learning how to use HackerRank)
- [Designer PDF Viewer](#)
- [Left Rotation](#)

Topic 2 | Lists

- Pre-work: If you need to familiarize yourself with how lists work, watch this [video](#)
- Exercises
 - » [Insert a Node at a Position Given in a List](#)
 - » [Cycle Detection](#)

Topic 3 | Stacks & Queues

- Pre-work: If you need a refresher, look at this [video](#)
- Exercise
 - » [Queue Using Two Stacks](#)

Topic 4 | Hash & Maps

- Pre-work: If you need a refresher, look at this [video](#)
- Exercises
 - » [Ice Cream Parlor](#)
 - » [Colorful Number](#) (This one might be challenging. Remember, if you get stuck, refer to our proposed solution)

Topic 5 | Sorting Algorithms

- Pre-work: If you need a refresher look at this video: [Merge Sort](#)
- Exercises
 - » [Insertion Sort part 2](#)
 - » [Quicksort part 2](#)

Topic 6 | Trees

- Theory: If you need a refresher, look at this [video](#)
- Exercises

- » [Binary Tree Insertion](#)
- » [Height of a Binary Tree](#)
- » [QHeap1](#)

Topic 7 | Graphs (BFS & DFS)

- Theory: Watch this [video](#) to understand what a graph is and how to traverse it
- Exercises
 - » [Breadth First Search](#)
 - » [Snakes and Ladders](#)

Topic 8 | Recursion

- Theory: Watch this [video](#) to review concepts on recursion
- Exercise
 - » [Fibonacci Numbers](#)

Solutions: All solutions are available in [this public repository](#)

Thank you for taking the time to review this guide!