

SDE Camp Bootcamp

Day 3(04.02.2022):

Topic: Recursion

Resource:

C++ - <https://www.programiz.com/cpp-programming/recursion>

Java - <https://www.programiz.com/java-programming/recursion>

Python - <https://www.programiz.com/python-programming/recursion>

<https://leetcode.com/explore/learn/card/recursion-i/250/principle-of-recursion/1439/>

Practice problems:

1. How does recursion code work(with stack diagram)
2. Print 1 to 100 using recursion
3. Factorial
4. [Fibonacci Number](#)
5. [Reverse String](#)
6. [Recursive Implementation of atoi\(\)](#)
7. [Find the Winner of the Circular Game](#)
8. Analyze the time complexity of recursion(<https://leetcode.com/explore/learn/card/recursion-i/256/complexity-analysis/1669/>)
9. Analyze the space complexity of recursion(<https://leetcode.com/explore/learn/card/recursion-i/256/complexity-analysis/1671/>)

Topic: HTML & CSS

Resource:

[HTML Tutorial](#)

[CSS Tutorial](#)

Go through some tags in HTML and CSS

Practice:

Build a simple website using HTML and CSS using h,p,a tags and style it using css(change text color, background color, font size etc.)

Don't look at the solution while starting the problem. First, understand how you can use the concepts you learned and try on your own. If you are stuck check some hint, even if you can't solve it then check the solution, understand the solution and do it on your own. Don't copy the solution :(

Solutions will be posted here <https://github.com/suresh213/sde-camp-bootcamp> after 6 pm.