

30-Day C Language Learning Plan

Day 11: Functions - Scope and Recursion

1. Factorial using recursion
2. Fibonacci series

Notes:

① SCOPE:- where a variable can be used or accessed in your program.

2 main types:-

- ① * Local scope

- ↳ defined inside a funcⁿ/block
- ↳ can be used only in that function/block.
- ↳ not known outside.

- ② * Global scope:-

- ↳ declared outside all functions
- ↳ can be used in any funcⁿ of the file.

② RECURSION:- a recursion function is a function that calls itself to solve a smaller part of a bigger program.

- ↳ must have a base case
- ↳ useful for problems like factorial, fibonacci, etc.