

30-Day C Language Learning Plan

Day 17: Pointers and Functions

1. Swap using pointers
2. Pass array to function

Notes:

Pointers allow functions to directly access and modify variables or arrays in the caller's memory space.

① SWAP USING POINTERS:-

↳ In C, Functions normally get a copy of variables (pass by value).

↳ To modify the actual variables, pass their addresses to the function.

↳ inside the function, used pointer dereferencing ($*$) to change their values.

$\&$ → gives address of variable

$*$ → accesses the value stored at an address.

This allows actual swapping of a & b in $\text{main}()$.