

Safety in the C programming Language

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Languages

Overall Issue: Safety in C

- Best feature of C:
 - Gives programmer access to the lowest levels of the machine
- Worst feature of C:
 - Gives programmer access to the lowest levels of the machine

The Problem of Memory Manipulation

- Bad Pointer Arithmetic
- Defining the end of a string, the NULL termination
- Trespassing: When a pointer goes out of its bounds
- “The design of the C programming language encourages programming at the edge of safety.” -A1