

Style and Formatting Guidelines

- File Organization

- Include required header files first
- Only the following should be included in header files:
 - Structs
 - Enums
 - Constants
 - Typedefs
 - Function Declarations

- Variables

- Stores all values in a named variable.
 - No Magic Numbers.
- No single letter or non-descriptive variable names
 - The only exception to this rule is 'i' in a for loop
- CONSTANTS are in all caps
- Only data types start with a capital letter
 - Structs, Enums, etc.

- Code Organization

- Uses indentation to identify code blocks
- Separate code blocks and logical sections with whitespace
 - Optimize your code for the reader, not the writer

- Output

- Output is formatted with an explanation of the output values
 - Format your output so that someone who does not know what the program is supposed to do would know what the output meant

- Input

- Use of scanf with a string buffer without a buffer limit, i.e. `scanf("%255s", buff)`

- Comments

- Each method is preceded by a comment explaining what the method does
- Each significant code block is preceded by a comment explaining what the code block does.
 - A significant code block is more than 3 lines performing a single logical operation