

Horrible Code Activity

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For this assignment, we made a simple calculator program with one version being our “good” and one being our “bad” version of the program. Both versions perform the same tasks, just differently coded.

Principles in our coding demonstration:

- KISS (Keep It Simple, Stupid)
 - Good - We kept our design simple with clear math functions and a main() function to organize everything.
 - Bad - We added unnecessary complexity and mixed our logic with the input.
- DRY (Don't Repeat Yourself)
 - Good - We used a get_numbers() function call to avoid repeating code.
 - Bad - Repeats input prompts plenty of times.
- Single Responsibility Principle
 - Good - Each function call we used has its own clear job.
 - Bad - We put input and output all mixed without formatting.
- Separation of Concerns
 - Good - Math logic and user input are separated.
 - Bad - Everything is tightly coupled together, making it harder to understand the logic and modify the code.