

Implementation

This simple calculator program implements the concepts of YAGNI, Document Your Code, and Clean code into its design.

1. Yagni - There is absolutely no bloat in this program. It is one clean loop that does exactly what it says on the box and nothing else. When closing out the program there are no unnecessary elements, just a clean exit.
2. Document Your Code - Although fairly simple in design and execution, the program is documented where applicable and includes all relevant information in a concise format.
3. Clean Code - This program uses basic control flow instead of unnecessary abstractions that would just serve to bog down its elegant simplicity. It is spaced in an easy to read format that is easy on the eyes.

Violation

1. YAGNI

This code violates YAGNI by including unnecessary and infuriating dialogues.

- There is no need for a calculator to know someone's name and print it out with the result
- There is no need for multiple confirmations of simple calculations
 - (note: the code isn't broken, you need to type "Yes" for one of the multiplying through adding dialogues and "yes" for the confirmation dialogue)

2. Document your Code

- There is no comments to be seen in the code.

3. Clean Code

- The code is convoluted and difficult to read
- Variable names are just letters instead of descriptive names
- The order of input dialogues doesn't match up with the input checks, leading to confusion even during coding