

# Notes on Chapter 3 - Some Simple Numerical Programs

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A curated list of important points for my reference.

## 1. Multiline comments

- Triple quoted text should not be considered multi-line comments; by convention, they are docstrings
- Additional comment styles add unnecessary complications and could decrease readability
- Guido Tweet: You can use multi-line strings as multi-line comments. Unless used as docstrings, they generate no code.
- Triple quotes are treated as regular strings with the exception that they can span multiple lines. By regular strings I mean that if they are not assigned to a variable they will be immediately garbage collected as soon as that code executes. Hence are not ignored by the interpreter in the same way that a comment is.

## 2. Ctrl + C terminates the infinite looping

3. Modern computers are amazingly fast. It takes on the order of one nanosecond-one billionth of a second-to execute an instruction.
4. The range function takes three integer arguments: start, stop, step
5. Exhaustive Enumeration Algorithm = Variant of guess and check. We enumerate all possibilities until we get to the right answer or exhaust the space of possibilities.

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