Think Python

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If you want to learn how to program, working with Python is an excellent way to start. This hands-on guide takes you through the language one step at a time, beginning with basic programming concepts before moving on to functions, recursion, data structures, and object-oriented design.

Through exercises in each chapter, you'll try out programming concepts as you learn them. *Think Python* is ideal for students at the high school or college level, as well as self-learners, home-schooled students, and professionals who need to learn programming basics.

- Start with the basics, including language syntax and semantics
- Get a clear definition of each programming concept
- Learn values, variables, statements, functions, and data structures in a logical progression
- Discover how to work with files and databases
- Understand objects, methods, and object-oriented programming
- Use debugging techniques to fix syntax, runtime, and semantic errors
- Explore interface design, data structures, and GUI-based programs through case studies

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