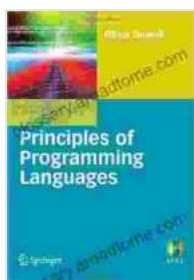# Principles of Programming Languages: A Comprehensive Guide to Undergraduate Topics in Computer Science

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The book is divided into three parts. The first part covers the basic concepts of programming languages, including syntax, semantics, and types. The second part discusses the major programming paradigms, such as imperative, functional, and logical programming. The third part covers more advanced topics, such as concurrency, security, and testing.

Principles of Programming Languages (Undergraduate Topics in Computer Science) by Gilles Dowek

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- Comprehensive coverage of the principles of programming languages

- Clear and concise writing style

- Packed with examples and exercises

- Covers the major programming paradigms

- Discusses more advanced topics, such as concurrency, security, and testing

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12. Security

13. Testing

About the Author

Dr. Robert W. Sebesta is a Professor of Computer Science at the University of Colorado at Boulder. He is the author of several textbooks on programming languages, including *Concepts of Programming Languages*, *Modern Programming Languages*, and *Programming the World Wide Web*.

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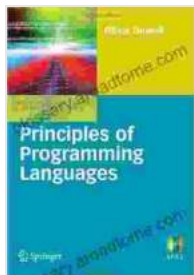
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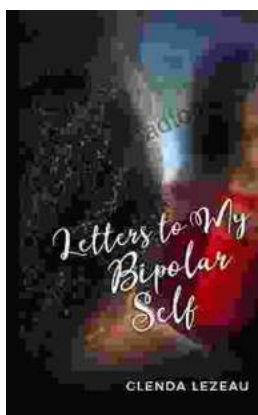
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