



PRINCIPLES OF PROGRAMMING LANGUAGES

Seema Kedar

Download now

[Click here](#) if your download doesn't start automatically

PRINCIPLES OF PROGRAMMING LANGUAGES

Seema Kedar

PRINCIPLES OF PROGRAMMING LANGUAGES Seema Kedar

Introduction Role of programming languages, Need to study programming languages, Characteristics of a good programming languages, introduction to various programming paradigms : Procedural, Object-oriented, Logic and functional programming, Parallel programming, Concurrent programming. Data Types : Properties of structured and non-structured data types and objects, Variables, Constants, Derived and abstract data types, Declaration, Type checking. Binding and binding times, Type conversion, Scalar data type, Composite data types, Implementation and storage representation of data types and control flow statement. Procedures : Procedure call and return, Recursive subprogram. Different parameter passing methods, Lifetime of variables, Scope rules : Static and Dynamic scope, Referencing environment; Activation records (Local, Non local and global), Storage management (static and dynamic), Exceptions and exception handling. Procedural Programming Design principles, Control flow : Statement-oriented and block-oriented structure programming, Execution steps, Desirable and undesirable characteristics of procedural programming. Procedural Programming with Pascal : Program structure, Lexical elements, Data types, Operators and punctuators, Variable and type declarations, I/O, Type conversion, Control structures; Conditional and iterative, Arrays, Procedures and functions, Local and global variables, Nested procedures and scope rules, Pointers, Parameter passing, User defined data types, Comparative study of C and PASCAL. Object Oriented Programming Design principles : Objects, Classes, Messages and Methods, implementation of object-oriented programming, Object Oriented Programming with Java : Program structure, Object and class declarations, Constructors, Inheritance, Polymorphism, Access specification, Interfaces, Packages, Exception handling, Java I/O, Java applications and applets, Introduction to Java threads and multithreading, socket programming, JDBC, Comparative study of C++ and Java. Unit IV - Introduction to .NET Technology and C# Brief introduction to microsoft .NET - The microsoft .NET platform, .NET framework, Advantages, Introduction to C#, Type system, Classes, Method, Properties, Arrays, Interfaces, Delegates and event handlers, Assemblies and modules, Late binding, Creating and executing code at run time. Multithreading patterns, Exception handling. Logic Programming Logic programming language model, Logical statements, Resolution, Unification, Search structures : Backward and forward, Applications of logic programming. Logic Programming with Prolog : Program structure, Logical variable, Syntax structure, Control structure, Resolution and unification, Depth-first search, Backtracking, Cut operator, Recursive rules, Prolog facilities and deficiencies. Functional Programming Introduction to functional programming, Lambda calculus : Ambiguity, Free and bound identifiers, Reductions, Typed lambda calculus, Application of functional programming. Functional Programming with LISP : Elements of functional programming, Function declaration, Expression evaluation, Type checking.

 [Download PRINCIPLES OF PROGRAMMING LANGUAGES ...pdf](#)

 [Read Online PRINCIPLES OF PROGRAMMING LANGUAGES ...pdf](#)

From reader reviews:

Jose Brummitt:

Book is written, printed, or illustrated for everything. You can understand everything you want by a reserve. Book has a different type. We all know that that book is important factor to bring us around the world. Adjacent to that you can your reading expertise was fluently. A guide PRINCIPLES OF PROGRAMMING LANGUAGES will make you to become smarter. You can feel a lot more confidence if you can know about anything. But some of you think in which open or reading a new book make you bored. It isn't make you fun. Why they can be thought like that? Have you looking for best book or ideal book with you?

Loretta Faria:

This PRINCIPLES OF PROGRAMMING LANGUAGES are reliable for you who want to be described as a successful person, why. The main reason of this PRINCIPLES OF PROGRAMMING LANGUAGES can be among the great books you must have will be giving you more than just simple examining food but feed an individual with information that probably will shock your before knowledge. This book is definitely handy, you can bring it everywhere and whenever your conditions in e-book and printed versions. Beside that this PRINCIPLES OF PROGRAMMING LANGUAGES forcing you to have an enormous of experience for instance rich vocabulary, giving you trial of critical thinking that we know it useful in your day exercise. So , let's have it and revel in reading.

Vickie Reed:

Reading a reserve tends to be new life style on this era globalization. With reading through you can get a lot of information that can give you benefit in your life. Along with book everyone in this world may share their idea. Ebooks can also inspire a lot of people. Plenty of author can inspire their reader with their story as well as their experience. Not only the story that share in the books. But also they write about the knowledge about something that you need example. How to get the good score toefl, or how to teach children, there are many kinds of book that exist now. The authors nowadays always try to improve their proficiency in writing, they also doing some analysis before they write with their book. One of them is this PRINCIPLES OF PROGRAMMING LANGUAGES.

Corey Barksdale:

In this era globalization it is important to someone to acquire information. The information will make you to definitely understand the condition of the world. The health of the world makes the information simpler to share. You can find a lot of personal references to get information example: internet, classifieds, book, and soon. You can observe that now, a lot of publisher that will print many kinds of book. The book that recommended for your requirements is PRINCIPLES OF PROGRAMMING LANGUAGES this e-book consist a lot of the information from the condition of this world now. This particular book was represented how can the world has grown up. The dialect styles that writer require to explain it is easy to understand. The particular writer made some analysis when he makes this book. That's why this book suitable all of you.

**Download and Read Online PRINCIPLES OF PROGRAMMING
LANGUAGES Seema Kedar #BEFXROHCJA7**

Read PRINCIPLES OF PROGRAMMING LANGUAGES by Seema Kedar for online ebook

PRINCIPLES OF PROGRAMMING LANGUAGES by Seema Kedar Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read PRINCIPLES OF PROGRAMMING LANGUAGES by Seema Kedar books to read online.

Online PRINCIPLES OF PROGRAMMING LANGUAGES by Seema Kedar ebook PDF download

PRINCIPLES OF PROGRAMMING LANGUAGES by Seema Kedar Doc

PRINCIPLES OF PROGRAMMING LANGUAGES by Seema Kedar Mobipocket

PRINCIPLES OF PROGRAMMING LANGUAGES by Seema Kedar EPub