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<<标准C程序设计>>

图书基本信息

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内容概要

本书是印度各大学使用最广的c语言程序设计经典教材之一，这是其最新的第5版。

本书以简单而清晰的语言，教授读者如何使用c语言进行程序设计。
全书贯彻了“用示例学习”的概念。
在深入介绍了c语言的每个特性之后，给出了一个完整的示例程序，用于演示说明其应用。
每章末尾的“案例学习”不仅介绍了把c语言的特性集成在一起的常用方法，而且还显示了它在实际生活中的应用。
最后一章介绍了开发高效、无错误的c程序的一些指导原则。

本书在前一版的基础上增加介绍了c99的一些新特性，并增加了不少复习题和项目设计题，而且在附录iv中给出了4个完整的应用程序开发示例，使得本书的实际应用性更强。

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章节摘录

版权页：插图：Test for correct output is done using test data with known results for the purpose of comparison. The most important consideration here is the design or invention of effective testdata. A useful criteria for test data is that all the various conditions and paths that the processing may take during execution must be tested. Program testing carl be done either at module（function）level or at program level .Modulelevel test，often known as unit test，is conducted on each of the modules to uncover errorswith in the boundary of the module. Uhit testing becomes simple when a module is designed to perform only one function. Once all modules are unit tested，they should be integrated together to perform the de.sired function（s）.There are likely to be interfacing problems. such as data mismatdl be.tween the modules. An integration test is performed to discover errors associated with inter-facing. Program Debugging Debugging is the process of isolating and correcting the errors. One simple method ofdebug-ging is to place print statements throughout the program to display the values of variables. It displays the dynamics of a program and allows US to examine and compare the information at various points.0nce the location of an error is identifled and the error corrected，the debugging statements may be removed. We Can use the conditional compilation statements，discussed in Chapter 14，to switch on or off the debugging statements. Another approach is to use the process of deduction. The location of an error is arrived atusing the process of elimination and refinement. This is done using a list of possible causes of the error.The third error-locating method is to backtrack the incorrect results through the logic of the program until the mistake is located. That is，beginning at the place where the symptomhas been uncovered，the prograln is traced backward until the error is located.

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编辑推荐

《标准C程序设计(第5版)(影印版)》是大学计算机教育国外著名教材系列之一。

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