Preface

C is a powerful, flexible, portable and elegantly structured programming language. Since C combines the features of high-level language with the elements of the assembler, it is suitable for both systems and applications programming. It is undoubtedly the most widely used general-purpose language today in operating systems, and embedded system development. Its influence is evident in almost all modern programming languages. Since its standardization in 1989, C has undergone a series of changes and improvements in order to enhance the usefulness of the language. The version that incorporates the new features is now referred to as C11.

Why this book?

This book has been designed for enhanced higher learning. It is thoroughly updated with outcome based learning approach as per standard 'Bloom's Taxonomy'. Additional write-ups, projects, worked-out- problems, review exercises, programming and debugging exercises are fused around the content for reference of the user.

Salient Features of the Book

- Learning Objectives
- Key Concepts
- Content Tagged with LO
- Worked Out Problems
- Tips
- Closing Vignette
- Review Exercises – True False, Fill in the blanks, Questions, Programming Exercises – categorized into LO and Difficulty level (E for Easy, M for Medium and H for High)

Digital Supplements

The digital supplement can be accessed at the given link (http://www.mhhe.com/balagurusamy/picau17) It contains the following components:

- Write up on Self Referential Structures
- Write up on Selection sort, linear and binary search
- Additional Programs for practice

Feedback

I welcome any constructive criticism of the book and will be grateful for any appraisal by the readers. Feedback to improve the book will be highly appreciated.

E Balagurusamy

Publisher's Note

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