

# 1

“Test everything. Hold on to the good.”

## First Chapter

Greetings.

It is a common practice to skip the acknowledgement and book organization. So we have placed them in the First Chapter! Please read this chapter without fail to understand this book better.

### 1.1 Acknowledgement

Throughout the world many people have contributed to this book. We must acknowledge all those good people. We sincerely thank **Dr. Dennis M. Ritchie**, creator of C language for granting permission to use his photo. Our thanks also goes to **Dr. Ralf Brown** for providing us his great source—Ralf Brown’s Interrupt List for this book. We must thank **Mr. Alexander Russell** for his unconditional support to this book. We are proud to thank all the real and international programmers who provided their source code to us.

**Ms. Lyril Sugitha** (lyrils@yahoo.com) helped us a lot to *translate* this book from “Tanglish” to English! We sincerely thank her as she worked with us even in her tight schedules.

---

I specially thank my mother for her prayers for the success of this project and my father for his support by presenting me a computer. My sincere thanks to my sister Lincy, brother Bensley and my friend Brighton for their encouragement. I benefited greatly from my uncle Azariah, who helped me in finding many useful materials. I thank all my friends and relatives who remembered me in their prayers.

*K. Joseph Wesley*

---

I am grateful to all my friends who are interested in me. I remember all my teachers for their care towards me. I especially thank my Lecturer **Mr. Richard Devaraj**, American College for his concern towards my career. I must thank **Mr. D. Joseph Devadason** (Lecturer in Management Studies, American College, joseph\_d@rediffmail.com), one of my good and old friends for helping me to understand English in a better way. Finally, I would like to express my sincere gratitude to my family members who are behind my development: Papa, Amma, Patti, Mama, Mami & Akka.

*R. Rajesh Jeba Anbiah*

### 1.2 Book Organization

Part I - ANSIC

## 2 A to Z of C

Part II	-	DOS Programming
Part III	-	Advanced Graphics Programming
Part IV	-	Advanced Programming
Part V	-	Mathematics & C
Part VI	-	Algorithms & C
Part VII	-	Illegal Codes
Part VIII	-	Next Step
Part IX	-	Smart Dictionary
Part X	-	Postlude

### 1.3 FAQ about A to Z of C

Q: *What do you mean by FAQ?*

A: FAQ is the acronym for Frequently Asked Questions. So when you read FAQ, most of your questions will be answered!

Q: *Why have you written this book?*

A: Because of the dissatisfaction over the existing books on C! Yes. We have lots of books on C, but most of the books do not cover advanced topics and most of the books are priced higher. So we have decided to write a non-profit book and to let the secrets open! We could see many Indian authors who have stolen the works of International Programmers without acknowledging them. So, in our book, we decided to acknowledge those intelligent people. (Many authors had thrust different myths & mistakes directly or indirectly in the minds of Indian C Programmers)

Q: *What is the user level of this book?*

A: Intermediate to Advanced

Q: *What is the category of this book?*

A: Programming. We've got so many ways to solve a single problem. And hence this book also introduces various approaches to solve different problems.

Q: *To whom have you written this book?*

A: C lovers, students, programmers, and other enthusiasts.




Q: *Is this book for students of top level institutions?*

A: No. We never think that those people are super human beings. Our doctrine is "If you can, then I can! If I can, then you can!" This book is for learners.

Q: *I want to score more marks in University examination. Will this book help me?*

A: No. We are dead against the mark-based culture. This book is purely for enthusiasts. This book is written to open many secrets of C.

Q: *What are the special features of this book?*

A: This book is not only written by K. Joseph Wesley & R. Rajesh Jeba Anbiah, but many renowned International programmers' and authors' materials are also used with permission. The supplement CD  got many sources, and utilities. For more details about CD , see “**Contents of CD **”

Q: *How far I can trust source codes of this book?*

A: We have tested all the codes. Certain source codes of this book are of real programmers. We have used their codes according to their terms. So all codes should logically work! But, obviously there must be some flaws in the approach/solution; the readers are encouraged to find better—alternate solution.

Q: *Which compiler & IDE you are going to use?*

A: We have used TC++3.0. And all parts of this book refer the IDE (Integrated Development Environment) TC++3.0 unless otherwise noted.

Q: *How should I use this book?*

A: Read all the contents of the book first. Then workout examples and exercises. After gaining confidence, dare to do projects!

## 1.4 Book Style

The book contains “Note” & “Caution” wherever it is necessary. We thought the word “We” would confuse the reader whether it refers “authors & reader” or “K. Joseph Wesley & R. Rajesh Jeba Anbiah (authors)”. So we have decided to use “I” instead of “We” for clarity. And hereafter the word “I” refers “authors (K. Joseph Wesley & R. Rajesh Jeba Anbiah)” and “We” refers “authors & reader”.