

Elements of Computer Networking

An Integrated Approach

By

Narasimha Karumanchi

Dr. A. Damodaram

Dr. M. Sreenivasa Rao



CONCEPTS



PROBLEMS



INTERVIEW QUESTIONS

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M. Tech, IIT Bombay
Founder, *CareerMonk.com*

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Preface

Dear Reader,

Please Hold on! We know many people do not read the preface. But we would strongly recommend that you go through the preface of this book at least.

There are hundreds of books on computer networking already flooding the market. The reader may naturally wonder what the need of writing another book on computer networking is!

This book assumes you have basic knowledge about computer science. Main objective of the book is *not* to provide you the *catalog of computer networking protocols* and *their interview* questions. Before writing the book, we set ourselves the following *goals*:

- The book be written in *such a way* that readers without any background in computer networking should be able to understand it *easily* and *completely*.
- The book should present the concepts of *computer networking protocols* in *simple* and straightforward manner with a *clear – cut* explanation.
- The book should provide enough *realtime* examples so that readers get better understanding of the *computer networking* and also useful for the interviews. We mean, the book should cover *computer networking* interview questions.

Please remember, the books which are available in the market are lacking one or many of these goals. Based on my teaching and industrial experience, we thought of writing this book aiming at achieving these goals in a simple way. A 3-stage formula is used in writing this book, i.e.

Concepts + Problems + Interview Questions

We used very simple language such that a school going student can also understand the concepts easily. Once the concept is discussed, it is then interlaced into problems. The solutions of each and every problem are well explained.

Finally, interview questions with answers on every concept are covered. All the interview questions in this book are collected from various interviews conducted by top software development companies.

This book talks about networks in everyday terms. The language is friendly; you don't need a graduate education to go through it.

As a job seeker if you read complete book with good understanding, we are sure you will challenge the interviewers and that is the objective of this book.

This book is very much useful for the students of engineering degree and masters during their academic course. All the chapters of this book contain theory and their related problems. If you read as a student preparing for competition exams (e.g. GATE), content of this book covers all the required topics in full details.

It is *recommended* that, at least *one complete* reading of this book is required to get full understanding of all the topics. In the *subsequent* readings, you can directly go to any chapter and refer. Even though, enough readings were given for correcting the errors, due to human tendency there could be some minor typos in the book.

If any such typos found, they will be updated at *CareerMonk.com*. We request you to constantly monitor this site for any corrections, new problems and solutions. Also, please provide your valuable suggestions at: *Info@CareerMonk.com*.

Wish you all the best. We are sure that you will find this book useful.

Narasimha Karumanchi
M. Tech, *IIT Bombay*
Founder, *CareerMonk.com*

Dr. A. Damodaram
M.Tech. (C.S.E.), Ph.D. (C.S.E)
Director, School of IT

Dr. M. Sreenivasa Rao
Dean MSIT Programme,
M.Tech. (C.S.E.), Ph.D. (C.S.E)
Director, School of IT

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