



## Introduction to Linux and Shell Scripting

**Author :** Amalorpavam G

**ISBN 13 :** 978-81-95123-11-7

**ISBN 10 :** 81-95123-11-2

**E-ISBN 13 :** 978-81-95123-11-7

**Edition :** First

**Pages :** 470

**Type of book :** Paperback

**Year :** 2023

**Language :** English

**Publisher :** Khanna Publishing House

**Price :** Rs 396.00

**Categories :** [All book](#), [Computer Science Engineering](#), [New Arrivals](#)

**Condition Type :** New

**Country Origin :** India



**Khanna Publishing House**

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: [contact@khannabooks.com](mailto:contact@khannabooks.com) | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320

---

## Product Description

---

Linux is the most popularly used open-source operating system. Linux Operating system is used in servers, clouds, desktops, laptops, and even in mobiles. Since the usage and popularity of Linux operating systems have increased, the demand for quality and comprehensive Linux Books also has increased. There is a demand for Linux books that are easy to understand, offering more practical examples and covering most of the concepts required for the programmer and the learners. Our book caters to these requirements. A lot of practical examples of all the commands and shell scripts are given. Commands and Shell Scripts are executed using the latest version of Ubuntu Linux. Objective-type questions and solutions are provided at the end of each chapter. We are sure that the readers can enjoy the Linux journey and they will surely gain a grip over the Linux operating system, which in turn provides confidence to them to work with Linux systems and also empowers them to face competitive examinations and interviews. We have focused on students as well as Linux programmers. Our book is easy to understand and more user-friendly. Beginners can follow the book comfortably. We have prepared the table of contents by focusing on most of the reputed universities and autonomous colleges. Our book covers the syllabi of most of Indian universities. It will certainly be useful not only for students of Computer Science and Information Technology but for Linux programmers also.

### Salient Features

- The book is self-readable, comprehensive and highly informative. It covers the concepts of Linux Operating System and Shell Scripting quite exhaustively.
- It covers syllabi of B.E., BCA, MCA, BSc of most of the Indian universities. It will certainly be useful not only for students of Computer Science and Information Technology but for the Linux Developers as well.

---

### • Table of Contents

---

Chapter 1 : Introduction to Operating Systems and Linux Chapter 2: Basic Commands in Linux Chapter 3: Linux File System Chapter 4: Working with File and Directories Chapter 5: Linux Text Files Chapter 6: Managing Files Chapter 7: Linux Filters Chapter 8: The Awk Programming an Advanced Filter Chapter 9: Security Chapter 10: Linux Shell Programming Chapter 11: Control Structures in shell Scripts Chapter 12: Process Management Chapter 13: Managing Process Execution Chapter 14: Communication Facility in Linux Chapter 15: Linux System Administration Chapter 16: Disk Management in Linux Chapter 17: Administering Printers Solutions to MCQs and True/False Questions Bibliography



## Author

### **M.T. Somashekara**

M.T. Somashekara is with the Department of Computer Science and Applications, Bangalore University, Bengaluru. He has over two decades of teaching experience at both UG and PG levels. He has authored three other books 'Problem Solving with C', 'Object-Oriented Programming with C++' and 'Object-Oriented Programming with JAVA' published by PHI Learning Private Limited, New Delhi and all of these have seen multiple editions. They have been adopted as textbooks/reference books for UG and PG courses of more than a hundred universities and autonomous colleges in the country. He has also authored a unique motivational and directional book on authoring academic books entitled 'The Journey - From Being a Reader to Becoming an Author' brought out by Khanna Publishing House and it is useful for those aspiring to become academic authors as it not only motivates but guides also as to how to go about academic authoring. He has several research papers to his credit in national and international journals. He is a life member of ISTE CSI, ISCA, and IUPRAI. His areas of academic interest include Data Structures, Algorithms, Programming Languages, Operating Systems, and Databases. His areas of research include Image Processing and Pattern Recognition.

### **K.R. Venugopal**

K.R. Venugopal is the Vice-Chancellor of Bangalore University. He has an illustrious, distinguished, and brilliant academic career with Eleven degrees including two Ph.Ds, one in Economics from Bangalore University and another Ph.D. in Computer Science and Engineering from IIT Madras. He has served UVCE and Bangalore University for over the last four decades. He received his ME degree in Computer Science Engineering from the Indian Institute of Science, Bangalore, Bachelor of Engineering in Electronics and Communications from UVCE and has also obtained degrees in Law, Journalism, Public Relations, Business Finance, Economics, Industrial Relations, and Communications. He was a Post Doctoral Research Scholar and Visiting Professor at the University of Southern California, USA.

He has authored and edited 72 books in Economics and Computer Science published more than 1000 papers in refereed International Conferences and Journals and has been credited with 24 patents. He has established two Engineering colleges and two schools in Bangalore. He has awarded Ph.Ds to 30 students and informally guided more than 150 Research Scholars and supervised more than 700 Post Graduate dissertations in Computer Science and Engineering. He received IEEE Fellow and ACM Distinguished Educator award from the USA for his outstanding contributions to Computer Science and Engineering.

### **Amalorpavam G**

Amalorpavam G. is with the Department of Computer Science, Sambhram Academy of Management Studies, affiliated to Bangalore University, Bengaluru. She did her MCA from Baharathidasan University and M.Phil from Alagappa University, Tamilnadu. She has 19 years of teaching experience. She has many research papers to her credit in national and international journals. Her areas of academic interest include Software Engineering,



**Khanna Publishing House**

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: [contact@khannabooks.com](mailto:contact@khannabooks.com) | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320