Oracle Mastery:

A Comprehensive Guide to Mastering SQL, PL/SQL, and Fundamental RDBMS Concepts for Hands-On Success

- DR. K. PRABHA
- DR. K. K. SAVITHA
- DR. A. INDRAPANDI
- P. KARTHIKA

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Dr. K. Prabha
Assistant Professor in Computer Science,
Periyar University Centre for PG and Research Studies,
Dharmapuri, Tamil Nadu.

Dr. K. K. Savitha
Assistant Professor and Head (i/c)
Department of Computer Applications
Bharathiar University PG Extension and Research Centre
Perundurai, Erode, Tamil Nadu.

Dr. A. Indrapandi
Assistant Professor,
Department of Computer Application,
The American College, Madurai.

P. Karthika
Assistant Professor,
Department of Computer Science,
P. K. R. Arts College for Women,
Gobichettipalayam, Tamilnadu, India.

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Authored By: **Dr. K. Prabha, Dr. K. K. Savitha, Dr. A. Indrapandi, P. Karthika**

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PREFACE

Welcome to "Oracle Mastery: A Comprehensive Guide to Mastering SQL, PL/SQL, and Fundamental RDBMS Concepts for Hands-On Success." This book is your go-to resource for mastering Oracle technologies. Designed for both beginners and seasoned professionals, it takes you through SQL basics, explores the power of PL/SQL, and lays a solid foundation in fundamental RDBMS concepts. Emphasizing a hands-on approach, each chapter offers practical examples and exercises, ensuring an interactive learning experience. The real-world insights and best practices shared throughout the guide enhance its applicability in your day-to-day Oracle endeavors. More than just a learning tool, "Oracle Mastery" is crafted to be a reliable reference guide for your ongoing projects, query optimization, and performance enhancement. May this guide serve as your passport to success in the dynamic world of Oracle database management. Happy learning and mastering!

Acknowledgement

I would like to thank the editor and publisher for their leading role in the creation of this new edition. I am most grateful to the Vice Chancellor and Registrar of Periyar University, Salem for their wise counsel and guidance. I would not be able to get my work done without the continual support of my students. My greatest appreciation is my husband and son who are the constant source of my support and inspiration.

Writing a book is always a colossal effort.

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I thank my Husband, Mr. K. Gopinath, my daughter Anuvarshini and family members who have always motivated me and encouraged me to explore my interests.

ABOUT THE AUTHORS

Dr. K. Prabha is an experienced academic and has started her teaching career in Bharathiar University Arts and Science College, Valparai, in 2007, followed by Erode Arts and Science College. She is currently working as an Assistant Professor in the Department of Computer Science, Periyar University Centre for PG and Research Studies, Dharmapuri, since 2017. The author was awarded a doctorate degree from Bharathiar University, Coimbatore, in 2014, where she worked on Data Mining and Network Security. In teaching career, she has developed an innovative approach to teaching and conducting research with Undergraduate and Postgraduate Students by creating and presenting course materials in both laboratory and classroom settings. The author has published 25 papers in referred National and International journals. She has collaborated with leading institutes in India. As a result, she is a lifetime member of IEEE, Computer Society of India, and IARCS. Besides, she has delivered more than 30 presentations in national and international conferences. In addition, she has published a book titled 'Computer Graphics ' For her credits, she is a potential reviewer in various international journals and a recipient of the best faculty award from the Para Women Award, Pondicherry and published one Indian patent . She is involving in various synergetic activities for the students and the institute's progress.

Dr. K. K. Savitha, Ph.D, Assistant Professor and Head, Department of Computer Applications, Bharathiar University PG Extension and Research Centre, focuses on state-of-art technology that industries adopt in order to make the students ready for the future world. She got her Ph.D from Anna University. She had presented more than 18 papers in International Conferences and she had published more than 20 articles in International Journal. She had also filled two Patents recently. She is good in team building and setting goals and achieving. Her research interest include Networks, IoT, Machine Learning and Data Analytics.

Dr. A. Indrapandi currently serves as an Assistant Professor in the Department of Computer Application at The American College in Madurai. He earned his Bachelor of Science (B.Sc) degree from P.M. Thevar College in Usilampatti in 2005. Subsequently, he pursued his Master of Computer Science (M.Sc.) degree at M.K University in 2009 and obtained his M.Phil degree from M.S University, Tirunelveli, in 2012. In 2023, he successfully completed his Ph.D. in Computer Science at Bharathiar University. Prior to his current position, Dr. Indrapandi gained valuable experience as an Assistant Professor and Head of the Department of Computer Science at P.M.T. College in Usilampatti. Throughout his academic career, he has contributed significantly to the field, with around 10 research papers published in international journals and conferences. His research interests encompass areas such as Image Processing, Computer Networks, and IoT (Internet of Things).

P. Karthika has 4 years of teaching experience and she is pursing Ph.D of Part time Research under the guidance of Dr.P.M.Gomathi, M.C.A., M.Phil., Ph.D Research Guide and Supervisor, Dean, Associate Professor in Computer Science, P.K.R. Arts College for Women (Autonomous) Gobichettipalayam. At present she is working as Assistant Professor in P.K.R. Arts College for Women (Autonomous) Gobichettipalayam. She has secured First class with distinction in Master of Computer Applications from Bharathiyar University, Coimbatore. She is the Department placement Co-ordinator and Women Development Cell Co-ordinator (WDC). She has published around 3 research papers in National and International Peer Reviewed, She has presented 3 papers in International and National Conferences.

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