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Nota di contenuto	Front Cover; Matlab by Example: Programming Basics; Copyright Page; Contents; Preface; Acknowledgments; Why This Book Is Different; How This Book Is Organized; 1 Matlab Integrated Development Environment; Lesson 1.1 Basics of the Matlab Integrated Development Environment; 1.1.1 Matlab Integrated Development Environment; 1.1.2 Creating Scalar Variables; 1.1.3 Creating Vector Variables; 1.1.4 Creating Array Variables; Lesson 1.2 Matlab Script Files; 1.2.1 Creating a Script File; 1.2.2 Naming a Script File; 1.2.3 Saving a Script File; 1.2.4 Executing a Script File; 1.2.5 Matlab Code Readability 1.2.6 Commenting Matlab CodeLesson 1.3 Matlab Editor-Cell Mode; 1.3.1 Enabling Cell Mode; 1.3.2 Separating a Program into Cells; 1.3.3 Evaluating Code in a Cell; Answers to Selected Exercises; Lesson 1.2; Exercise 1; Exercise 2; 2 Scalars in Matlab; Lesson 2.1 Creating and Naming Matlab Scalar Variables; 2.1.1 Matlab Special Variables; 2.1.1.1 Using Matlab Special Variables; 2.1.1.2 Changing the Values of Matlab Special Variables; 2.1.2 User-Defined Variables; 2.1.2.1 Naming a User-Defined Variable; 2.1.2.2 Matlab is Case Sensitive; 2.1.2.3 Clearing a

## User-Defined Variable

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## Sommario/riassunto

MATLAB By Example guides the reader through each step of writing MATLAB programs. The book assumes no previous programming experience on the part of the reader, and uses multiple examples in clear language to introduce concepts and practical tools. Straightforward and detailed instructions allow beginners to learn and develop their MATLAB skills quickly. The book consists of ten chapters, discussing in detail the integrated development environment (IDE), scalars, vectors, arrays, adopting structured programming style using functions and recursive functions, control flow, debug