1. Record Nr. UNINA9910459582603321

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| Autore | Darowski Adam |
| Titolo | Falls [[electronic resource] /] / Adam Darowski |
| Pubbl/distr/stampa | Oxford ; ; New York, : Oxford University Press, c2008 |
| ISBN | 1-283-58034-9<br>9786613892799<br>0-19-156203-3 |
| Descrizione fisica | 1 online resource (201 p.) |
| Collana | The facts series |
| Disciplina | 613.6 |
| Soggetti | Falls (Accidents)<br>Accidents - Prevention<br>Electronic books. |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Includes index. |
| Nota di contenuto | Contents; 1 Introduction; 2 How do we stay upright?; 3 Why do people fall?; 4 What causes simple falls? Trips, slips, and the effects of illness; 5 How do poor balance and muscle weakness contribute to falls?; 6 Difficulty in walking and poor gait; 7 What causes giddiness?; 8 What is vertigo?; 9 How can the heart and circulation contribute to falls?; 10 Medicines and falls; 11 Confusion, poor memory, and falls; 12 Visual problems that can contribute to falls; 13 How does neurological disease cause falls?; 14 Osteoporosis and falls; 15 Fear of falling<br>16 How do falls affect the family and carers?17 How to improve strength and balance; 18 What is the role of falls groups and exercise classes?; 19 How can your world be made safer?; 20 How can walking aids help?; 21 What role do diet and vitamin deficiencies have in causing falls?; 22 What causes falls in care homes?; 23 Why do people fall in hospital?; 24 What should I do if I fall?; Glossary; A; B; C; D; F; G; H; I; L; M; O; P; S; T; V; Index; A; B; C; D; E; F; G; H; I; J; K; L; M; N; O; P; Q; R; S; T; U; V; W; Y; Z |
| Sommario/riassunto | Many people see falling as an inevitable part of growing older, and falls can result in serious injuries. As we age, deterioration in our ability to maintain balance, underlying illnesses, or disabilities can result in falls. Currently, one in eight patients in hospital are admitted due to a fall, |

and 50% of people over 80 years old fall every year.It is almost always possible to minimize the chances of falling, and to make our personal environment safer for when falls do occur. This book covers all aspects of falls, explaining why they happen, the common consequences, and what can be done to

2. Record Nr. UNINA9910150207003321

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| Autore | Etter Delores M (Delores Maria), <1947-> |
| Titolo | Engineering problem solving with c / / Delores M. Etter |
| Pubbl/distr/stampa | Harlow, England : , : Pearson Education, Limited, , [2013]<br>Â©2013 |
| ISBN | 0-273-77575-8 |
| Edizione | [Fourth edition.] |
| Descrizione fisica | 1 online resource (483 pages) |
| Collana | Always learning |
| Disciplina | 620.002855133 |
| Soggetti | C (Computer program language)<br>Engineering - Data processing |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Includes index. |
| Nota di contenuto | Cover -- Contents -- 1 Engineering Problem Solving -- Crime Scene Investigation -- 1.1 Engineering in the 21[sup(st)] Century -- Recent Engineering Achievements -- Changing Engineering Environment -- 1.2 Computing Systems: Hardware and Software -- Computer Hardware -- Computer Software -- Operating Systems -- Software Tools -- Computer Languages -- Executing a Computer Program -- Software Life Cycle -- 1.3 An Engineering Problem-Solving Methodology -- Summary -- Key Terms -- Problems -- 2 Simple C Programs -- Crime Scene Investigation: Forensic Anthropology -- 2.1 Program Structure -- 2.2 Constants and Variables -- Scientific Notation -- Numeric Data Types -- Character Data -- Symbolic Constants -- 2.3 Assignment Statements -- Arithmetic Operators -- Priority of Operators -- Overflow and Underflow -- Increment and Decrement Operators -- Abbreviated Assignment Operators -- 2.4 Standard Input and Output -- Printf Function -- Scanf Function -- 2.5 Problem Solving Applied: Estimating Height from Bone Lengths -- 2.6 Numerical Technique: |

Linear Interpolation -- 2.7 Problem Solving Applied: Freezing Temperature of Seawater -- 2.8 Mathematical Functions -- Elementary Math Functions -- Trigonometric Functions -- Hyperbolic Functions -- 2.9 Character Functions -- Character I/O -- Character Comparisons -- 2.10 Problem Solving Applied: Velocity Computation -- 2.11 System Limitations -- Summary -- Key Terms -- C Statement Summary -- Style: Notes -- Debugging Notes -- Problems -- 3 Control Structures and Data Files -- Crime Scene Investigation: Face Recognition and Surveillance Video -- 3.1 Algorithm Development -- Top-Down Design -- Decomposition Outline -- Refinement with Pseudocode and Flowcharts -- Structured Programming -- Sequence -- Selection -- Repetition -- Evaluation of Alternative Solutions -- Error Conditions -- Generation of Test Data.
3.2 Conditional Expressions -- Relational Operators -- Logical Operators -- Precedence and Associativity -- 3.3 Selection Statements -- Simple if Statement -- If/else Statement -- Switch Statement -- 3.4 Problem Solving Applied: Face Recognition -- 3.5 Loop Structures -- While Loop -- Do/while Loop -- For Loop -- Break and continue Statements -- 3.6 Problem Solving Applied: Wave Interaction -- 3.7 Data Files -- I/O Statements -- Reading Data Files -- Specified Number of Records -- Trailer or Sentinel Signals -- End-of-File -- Generating a Data File -- 3.8 Numerical Technique: Linear Modeling* -- 3.9 Problem Solving Applied: Ozone Measurements* -- Summary -- Key Terms -- C Statement Summary -- Style: Notes -- Debugging Notes -- Problems -- 4 Modular Programming with Functions -- Crime Scene Investigation: Iris Recognition -- 4.1 Modularity -- 4.2 Programmer-Defined Functions -- Function Example -- Function Definition -- Function Prototype -- Parameter List -- Storage Class and Scope -- 4.3 Problem Solving Applied: Computing the Boundaries of the Iris -- 4.4 Problem Solving Applied: Iceberg Tracking -- 4.5 Random Numbers -- Integer Sequences -- Floating-Point Sequences -- 4.6 Problem Solving Applied: Instrumentation Reliability -- 4.7 Numerical Technique: Roots of Polynomials* -- Polynomial Roots -- Incremental-Search Technique -- 4.8 Problem Solving Applied: System Stability* -- 4.9 Macros* -- 4.10 Recursion* -- Factorial Computation -- Fibonacci Sequence -- Summary -- Key Terms -- C Statement Summary -- Style: Notes -- Debugging Notes -- Problems -- 5 Arrays and Matrices -- Crime Scene Investigation: Speech Analysis and Speech Recognition -- 5.1 One-Dimensional Arrays -- Definition and Initialization -- Computations and Output -- Function Arguments -- 5.2 Problem Solving Applied: Hurricane Categories -- 5.3 Problem Solving Applied: Molecular Weights.
5.4 Statistical Measurements -- Simple Analysis -- Maximum and Minimum -- Average -- Median -- Variance and Standard Deviation -- Custom Header File -- 5.5 Problem Solving Applied: Speech Signal Analysis -- 5.6 Sorting Algorithms -- 5.7 Search Algorithms -- Unordered List -- Ordered List -- 5.8 Two-Dimensional Arrays -- Definition and Initialization -- Computations and Output -- Function Arguments -- 5.9 Problem Solving Applied: Terrain Navigation -- 5.10 Matrices and Vectors* -- Dot Product -- Determinant -- Transpose -- Matrix Addition and Subtraction -- Matrix Multiplication -- 5.11 Numerical Technique: Solution to Simultaneous Equations* -- Graphical Interpretation -- Gauss Elimination -- 5.12 Problem Solving Applied: Electrical Circuit Analysis* -- 5.13 Higher Dimensional Arrays* -- Summary -- Key Terms -- C Statement Summary -- Style: Notes -- Debugging Notes -- Problems -- 6 Programming with Pointers -- Crime Scene Investigation:DNA Analysis -- 6.1 Addresses and Pointers -- Address Operator -- Pointer Assignment -- Address Arithmetic --

6.2 Pointers to Array Elements -- One-Dimensional Arrays -- Two-Dimensional Arrays -- 6.3 Problem Solving Applied: E1 Nino-Southern Oscillation Data -- 6.4 Pointers in Function References -- 6.5 Problem Solving Applied: Seismic Event Detection -- 6.6 Character Strings -- String Definition and I/O -- String Functions -- 6.7 Problem Solving Applied: DNA Sequencing -- 6.8 Dynamic Memory Allocation* -- 6.9 A Quicksort Algorithm* -- Summary -- Key Terms -- C Statement Summary -- Style: Notes -- Debugging Notes -- Problems -- 7 Programming with Structures -- Crime Scene Investigation: Fingerprint Recognition -- 7.1 Structures -- Definition and Initialization -- Input and Output -- Computations -- 7.2 Using Functions with Structures -- Structures as Function Arguments -- Functions that Return Structures. 7.3 Problem Solving Applied: Fingerprint Analysis -- 7.4 Arrays of Structures -- 7.5 Problem Solving Applied: Tsunami Analysis -- 7.6 Dynamic Data Structures* -- Additional Dynamic Data Structures -- Circularly Linked List -- Doubly Linked List -- Stack -- Queue -- Binary Tree -- Summary -- Key Terms -- C Statement Summary -- Style: Notes -- Debugging Notes -- Problems -- 8 An Introduction to C++ -- Crime Scene Investigation: Hand Recognition -- 8.1 Object-Oriented Programming -- 8.2 C++ Program Structure -- 8.3 Input and Output -- The cout Object -- Stream Functions -- The cin Object -- Defining File Streams -- 8.4 C++ Program Examples -- Simple Computations -- Loops -- Functions, One-Dimensional Arrays, and Data Files -- 8.5 Problem Solving Applied: Hand Recognition -- 8.6 Problem Solving Applied: Surface Wind Directions -- 8.7 Classes -- Defining a Class Data Type -- Constructor Functions -- Class Operators -- 8.8 Numerical Technique: Complex Roots -- Complex Class Definition -- Complex Roots for Quadratic Equations -- Summary -- Key Terms -- C++ Statement Summary -- Style: Notes -- Debugging Notes -- Problems -- Appendices -- A: ANSI C Standard Library -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- B: ASCII Character Codes -- C: Using MATLAB to Plot Data from Text Files -- Complete Solutions to Practice! Problems -- Selected Solutions to Modify! Problems -- Complete Solutions to End-of-Chapter Short-Answer Problems -- Selected Solutions to End-of-Chapter Programming Problems -- Glossary -- Index -- A -- B -- C -- D -- E -- F -- G -- H -- I -- J -- K -- L -- M -- N -- O -- P -- Q. R -- S -- T -- U -- V -- W -- Z.

Sommario/riassunto

This introductory-level C programming book is designed primarily for engineering students required to learn how to program. In Engineering Problem Solving with C, 4e, best-selling author, Delores Etter, uses real-world engineering and scientific examples and problems throughout the text. Solutions to the problems are developed using the language C and the author's signature five-step problem solving process. Since learning any new skill requires practice at a number of different levels of difficulty, four types of exercises are presented to develop problem-solving skills - Practice! problems, Modify! problems, Short-Answer problems, and Programming problems. The author's clear and precise style creates a highly accessible and readable text for students of all levels.

3. Record Nr. UNINA9910700724903321

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| Titolo | Assessment of nitrogen deposition effects and empirical critical loads of nitrogen for ecoregions of the United States [[electronic resource] /] / editors, L.H. Pardo, M.J.Robin-Abbott, C.T. Driscoll |
| Pubbl/distr/stampa | Newtown Square, PA : , : U.S. Dept. of Agriculture, Forest Service, Northern Research Station, , [2011] |
| Descrizione fisica | 1 online resource (291 pages) : illustrations (some color), maps (some color) |
| Collana | General technical report NRS ; ; 80 |
| Altri autori (Persone) | PardoLinda H<br>Robin-AbbottMolly J<br>DriscollCharles T <1952-> (Charles Thurston) |
| Soggetti | Nitrogen compounds - Environmental aspects - United States<br>Atmospheric deposition - United States<br>Water - Pollution - United States<br>Air - Pollution - United States<br>Ecology - United States<br>Air - Pollution<br>Atmospheric deposition<br>Ecology<br>Nitrogen compounds - Environmental aspects<br>Water - Pollution<br>United States |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | "May 2011"--P. [2] of cover. |
| Nota di bibliografia | Includes bibliographical references (pages 273-284). |