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Titolo	Programming and problem solving with C++ / / Nell Dale, University of Texas, Austin, Chip Weems, University of Massachusetts, Amherst
Pubbl/distr/stampa	Burlington, Massachusetts : , : Jones & Bartlett Learning, , 2014 ©2014
ISBN	1-4496-9429-2
Edizione	[Brief sixth edition.]
Descrizione fisica	1 online resource (881 pages) : illustrations (some color)
Disciplina	005.133
Soggetti	C++ (Computer program language)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Overview of programming and problem solving -- C++ syntax and semantics, and the program development process -- Numeric types, expressions, and output -- Program input and the software design process -- Conditions, logical expressions, and selection control structures -- Looping -- Additional control structures -- Functions -- Scope, lifetime, and more on functions -- User-defined data types -- Arrays -- Classes and abstraction -- Recursion.
Sommario/riassunto	Based off the best-selling Programming and Problem Solving with C++, which Dale is famous for, the Brief Edition is perfect for the one-term course. The text was motivated by the need for a text that covered only what instructors and students are able to move through in a single semester without sacrificing the breadth and detail necessary for the introductory programmer. The authors excite and engage students in the learning process with their accessible writing style, rich pedagogy, and relevant examples. Key Features: -Presents advanced topics at an introductory level with accessible writing and strong pedagogy. - Provides the highly successful concise and student-friendly writing style that is a trademark for the Dale/Weems textbook series in computer science. -Introduces C++ language constructs in parallel with the appropriate theory so students see and understand its practical application. -Strong pedagogical elements, a hallmark feature of Dale/Weems' successful hands-on teaching approach, include Software Maintenance case studies, Problem-Solving case studies,

Testing & Debugging exercises, Exam Preparation exercises, Programming Warm-up exercises, Programming Problems, Demonstration Projects, and Quick Check exercises. -A complete package of student and instructor resources include a student companion website containing all the source code for the programs and exercises in the text, additional appendices with C++ reference material and further discussion of topics from the text, and a complete digital lab manual in C++. Instructors are provided all the solutions to the exercises in the text, the source code, a Test Bank, and PowerPoint Lecture Outlines organized by chapter.
