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Nota di contenuto	Applied C# in Financial Markets; Contents; List of Examples; List of Figures; List of Tables; Preface; 1 What is .NET and how does C# fit in?; 1.1 .NET framework and the common language runtime; 2 The Basics of C#; 2.1 Assignment, mathematic, logical and conditional operators; 2.1.1 Assignment operator; 2.1.2 Mathematical operators; 2.1.3 Calculate and re-assign operators += -= *= /=; 2.1.4 Logical operators; 2.1.5 Operator precedence; 2.2 Data structures; 2.2.1 Built-in types; 2.2.2 Casting and type converting; 2.2.3 Strings; 2.2.4 StringBuilder; 2.2.5 Regex; 2.2.6 Arrays; 2.2.7 Collections 2.3 Control structures 2.3.1 if/else; 2.3.2 switch; 2.3.3 while; 2.3.4 do/while; 2.3.5 for loop; 2.3.6 foreach loop; 2.4 Summary; 3 Object Oriented Programming; 3.1 Introduction to classes; 3.1.1 Exception handling; 3.1.2 User defined exception class; 3.1.3 Workshop: Exercise one; 3.2 Inheritance and polymorphism; 3.2.1 Applying inheritance and polymorphism to finance; 3.2.2 Interfaces; 3.2.3 Multiple threading or asynchronous programming; 3.2.4 Workshop: Exercise two; 3.3 Summary; 4 Databases; 4.1 ADO.NET object model; 4.2 Connecting to the database; 4.3 Connection pools; 4.4 Database handler 4.5 Working with data 4.6 Transactions; 4.7 Workshop: Exercise three; 4.8 Summary; 5 Input & Output; 5.1 Streams; 5.2 Serialisation; 5.3 Workshop: Exercise four; 5.4 Summary; 6 XML; 6.1 Schema validation;

6.2 XML and ADO.NET; 6.3 Workshop: Exercise five; 6.4 Summary; 7 Building Windows Applications; 7.1 Creating a new project in visual studio.NET; 7.2 Managing projects with the Solution explorer and class view; 7.3 Working with components on forms; 7.3.1 Model view control; 7.4 Workshop Exercise six; 7.5 Summary; 8 Deployment; 8.1 Assemblies; 8.1.1 Metadata; 8.1.2 Shared assemblies 8.2 SummaryBibliography; Appendices; Appendix A Specification for an options calculator; Appendix B System design; Appendix C Calculation models; Index

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Sommario/riassunto

Applied C# in Financial Markets covers all the aspects of C# relevant to practitioners working in financial sector. It contains a practical workshop which builds on the material in the book, guiding you through all the stages of building a multiple model options calculator. An accompanying website features examples, illustrations and solutions to the workshops and a downloadable application to complement the book. Features examples and illustrations taken from a sample trading application, making the book relevant to those working in the financial markets.P

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