

**Chapter 1: Introduction to Visual Studio .NET**

You will learn:

- .NET framework.
- MS Visual Studio.NET.
- Testing a project.

**Chapter 2: Designing a Windows Forms Application**

You will learn:

- Creating a new project.
- Designing a form.
- Naming and saving files.

**Chapter 3: Windows Forms Application**

You will learn:

- Coding.
- Adding code to a form.
- Coding skills.
- Running, testing, and debugging a project.

**Chapter 4: Numeric and String Data**

You will learn:

- Built-in value types.
- How to use and work with strings.
- Converting data types.
- Skills for working with data.

**Chapter 5: Control Structures**

You will learn:

- Coding Boolean expressions.
- Coding conditional statements.
- Coding loops.



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| <b>Chapter 6: Methods and Event Handlers</b>  |
| You will learn: <ul style="list-style-type: none"><li>• Coding and calling methods.</li><li>• Events and delegates.</li></ul>   |
| <b>Chapter 7: Exceptions and Validating Data</b>  |
| You will learn: <ul style="list-style-type: none"><li>• Exceptions.</li><li>• Structured exception handling.</li><li>• Validating data.</li></ul>                       |
| <b>Chapter 8: Arrays and Collections</b>  |
| You will learn: <ul style="list-style-type: none"><li>• One-dimensional arrays.</li><li>• Rectangular arrays.</li><li>• Jagged arrays.</li><li>• Collections.</li></ul> |
| <b>Chapter 9: Working with Dates and Strings</b>  |
| You will learn: <ul style="list-style-type: none"><li>• Dates and times.</li><li>• Working with strings.</li><li>• Formatting numbers, dates, and times.</li></ul>      |
| <b>Chapter 10: Windows Forms and Controls</b>   |
| You will learn: <ul style="list-style-type: none"><li>• Controls.</li><li>• Multi-form projects.</li><li>• MessageBox class.</li></ul>                                  |
| <b>Chapter 11: Debugging an Application</b>   |
| You will learn: <ul style="list-style-type: none"><li>• Debugging techniques.</li><li>• Debug windows.</li><li>• Output window.</li></ul>                               |