Introduction to Object-oriented Programming

1 day of ILT

This course is intended for intermediate level application developers.

This course shows you how to develop business applications using the ABL object-oriented extensions introduced in OpenEdge 10.1. In this course you will learn how to create classes and objects and apply object-oriented programming techniques such as abstraction, inheritance, encapsulation, polymorphism, method overriding, method overloading, and interfaces within your OpenEdge applications.

This course also is available online as an eBook with a subscription to the Progress Education Community.

This course is compatible with OpenEdge 10.2B.

When you complete this course you should be able to:

• Create classes and instantiate class-based objects using object-oriented extensions to the ABL.
• Maintain encapsulation in your class designs.
• Invoke methods, read and write properties and data members, and respond to events that you define as class members within objects.
• Create class inheritance hierarchies.
• Use the following as appropriate within your object-oriented applications:
  – Polymorphism
  – Delegation
  – Method overriding
  – Method overloading
  – Interfaces
  – Static class members
  – Abstract classes and class members
  – Understand the use of dynamic programming techniques, including reflection.
## Prerequisites

<table>
<thead>
<tr>
<th>Before taking this course you should already be able to:</th>
<th>Courses that will provide you with this prerequisite knowledge are:</th>
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</thead>
<tbody>
<tr>
<td>Develop 4GL GUI distributable applications.</td>
<td>GUI Application Development</td>
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<tr>
<td>Develop applications in the AppBuilder or OpenEdge Architect.</td>
<td>GUI Application Development, and OpenEdge Architect Basics</td>
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<tr>
<td>Develop applications using ProDataSets.</td>
<td>Using ProDataSets</td>
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