







## Essential skills:

- Prior experience in programming:
  - Declaring variables
  - Writing loops
  - Passing arguments / parameters
  - Invoking functions

## Beneficial skills

- Awareness of object-oriented principles
  - Objects have 'state' and 'behaviour'
- Working with a modern IDE: Visual Studio, Eclipse, etc.

**Note**: Java and C# are very similar. This course is not intended for those who are already fluent in Java.

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- Gain a solid understanding of the C# programming language
- Develop practical object-oriented programming (OOP) skills
- Navigate the Visual Studio Integrated Development Environment (IDE) and make use of its code completion features

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- Introduction to C#
- C# variables and datatypes
- Conditional statements
- Loops and collections
- Introduction to object-oriented programming (OOP)
- Methods and parameters
- Properties and constructors
- Inheritance and abstract classes
- Interfaces
- Delegates and Lambdas
- Language Integrated Query (LINQ)
- Exception handling

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