

Working with Pure Member Functions



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Summary



Pure functions defined on objects

- Class must be immutable
- All components must be immutable
- Method arguments must be immutable

Benefits of pure methods

- Same result for the same object and arguments
- This simplifies execution model
- Saves us from bugs



Summary



Immutable objects turned into values

- Value object is not a .NET value type
- Value object is used like a primitive value
- Value object can be used as index key

Value-typed semantic

- Must override Equals()
- Must override GetHashCode()
- Advised to overload == and != operators
- Advised to implement IEquatable<T>
- Value class is sealed

Next module:

Pattern Matching with C# 7

