

# Final Words

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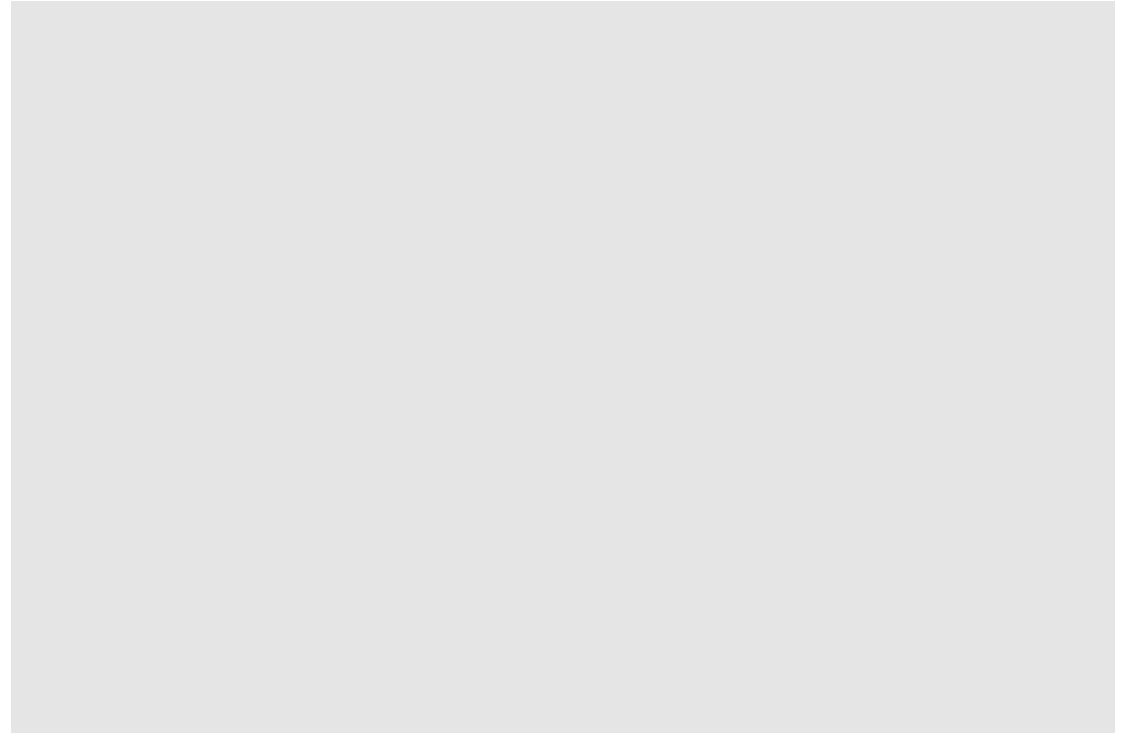


## Takeaways



# Collections and Generics

## Arrays



# Collections and Generics

Arrays

Generics

```
public class OperationResult<T>
{
    public OperationResult() { }

    public OperationResult(T result,
                           string message) : this()
    {
        this.Result = result;
        this.Message = message;
    }

    public T Result { get; set; }
    public string Message { get; set; }
}
```

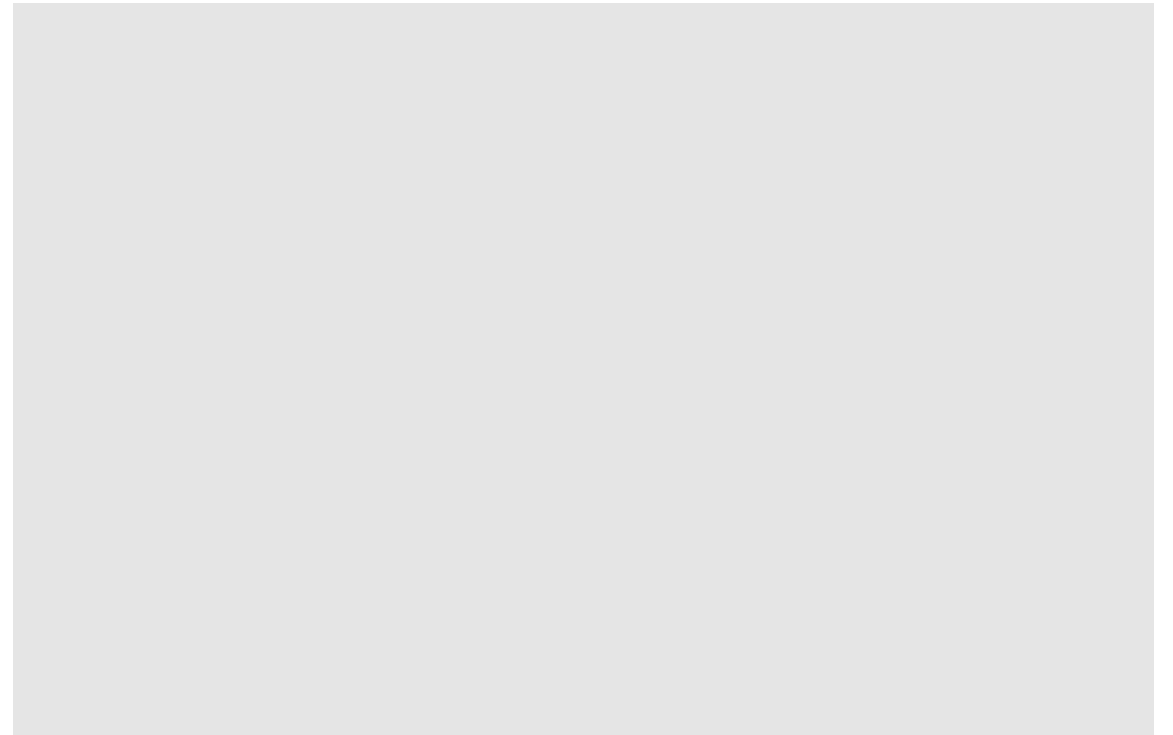


# Collections and Generics

**Arrays**

**Generics**

**List<T>**



# Collections and Generics

**Arrays**

**Generics**

**List<T>**

**Dictionary<T,V>**



# Collections and Generics

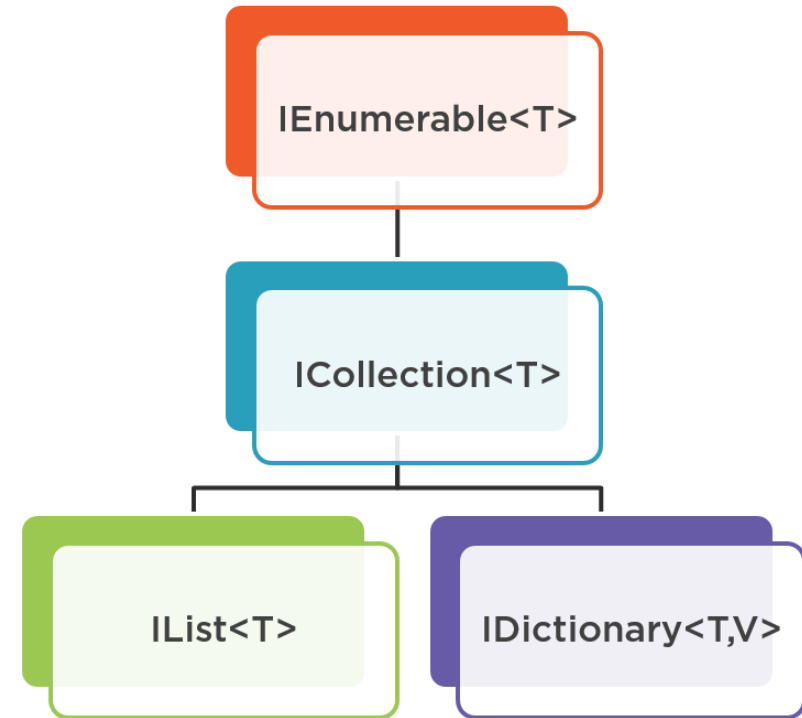
**Arrays**

**Generics**

**List<T>**

**Dictionary<T,V>**

**Interfaces**



# Collections and Generics

**Arrays**

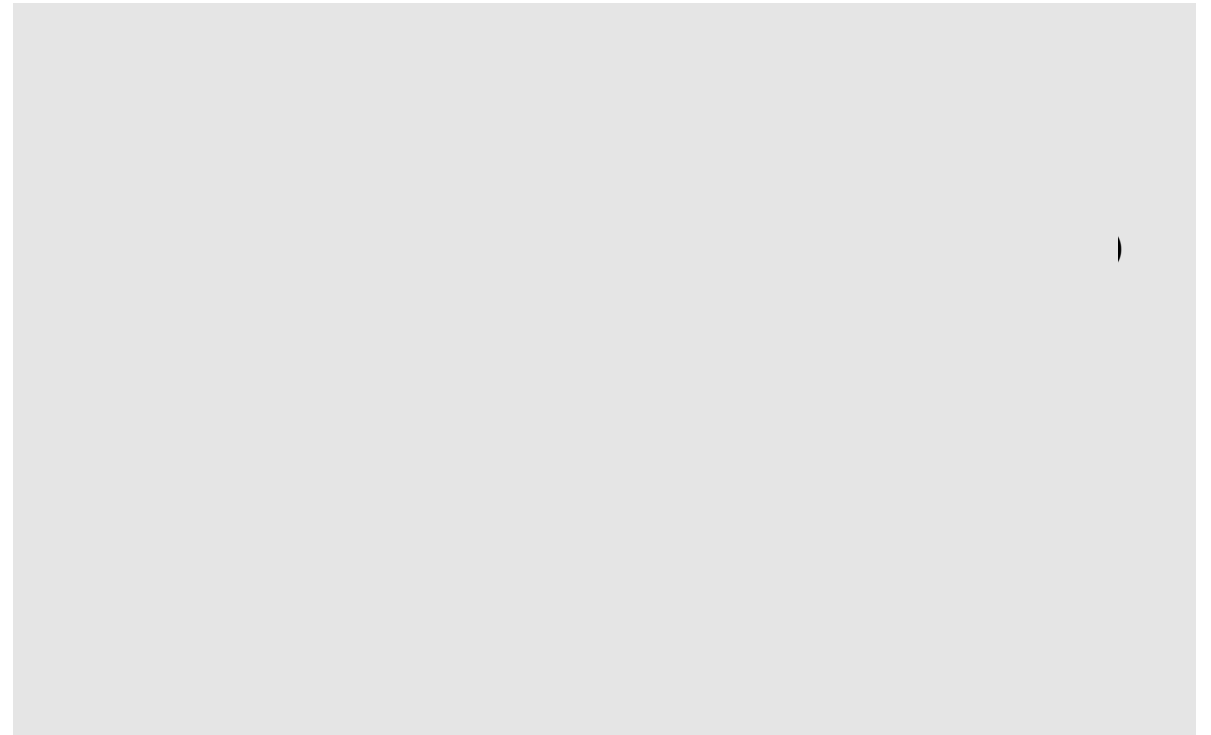
**Generics**

**List<T>**

**Dictionary<T,V>**

**Interfaces**

**LINQ**





# Collections and Generics

**Arrays**

**Generics**

**List<T>**

**Dictionary<T,V>**

**Interfaces**

**LINQ**

'))



# For More Information

- **Collections**
  - **C# Collections Fundamentals**
  - **C# Concurrent Collections**
- **Generics**
  - **C# Generics**
  - **Generics in VB.NET**



# For More Information (cont)

- **Interfaces**
  - **C# Interfaces**
  - **Object-Oriented Programming Fundamentals in C#**
- **LINQ**
  - **Practical LINQ**
  - **LINQ Fundamentals**
  - **LINQ Data Access**
  - **Querying the Entity Framework**



# GitHub

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[https://github.com/DeborahK/  
CSharpBP-Collections](https://github.com/DeborahK/CSharpBP-Collections)

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# C# Best Practices: Collections and Generics

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