

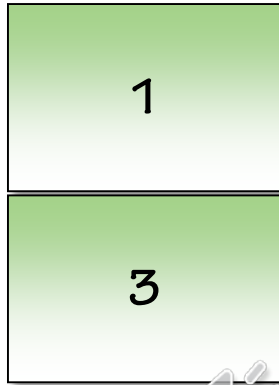
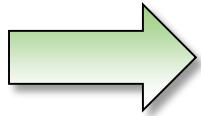
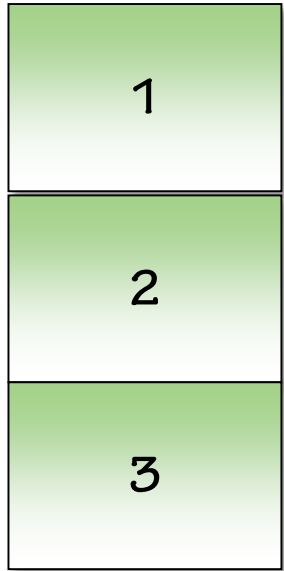
C# Generics

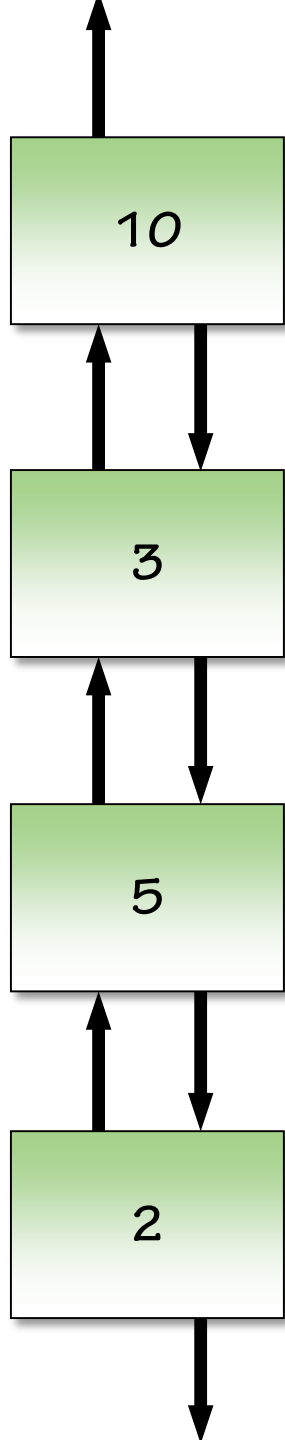
Collections and Data Structures

K. Scott Allen
OdeToCode.com



pluralsight 
hardcore developer training





Summary

Name	Strengths
List<T>	A growing array
Queue<T>, Stack<T>	For FIFO and LIFO
HashSet<T>	Unique items only
LinkedList<T>	Flexible inserts
Dictionary<TKey, TValue>	Quick look up by key
SortedSet<T> SortedList<TKey, TValue> SortedDictionary<TKey, TValue>	Sorted & unique Sorted & memory efficient Sorted, fast inserts and removals
Concurrent Collections (System.Collections.Concurrent)	Multiple writers and readers
Immutable Collections (NuGet: Microsoft.Bcl.Immutable)	Thread safe, modifications produce new collections