LINQ Categories and Operators

# Restriction Operators

**Where**

01) Linq001\_Restriction\_Where\_Simple\_1.cs

02) Linq002\_Restriction\_Where\_Simple\_2.cs

03) Linq003\_Restriction\_Where\_Simple\_3.cs

04) Linq004\_Restriction\_Where\_Drilldown.cs

05) Linq005\_Restriction\_Where\_Indexed.cs

# Projection Operators

**Select, SelectMany**

06) Linq006\_Projection\_Select\_Simple\_1.cs

07) Linq007\_Projection\_Select\_Simple\_2.cs

08) Linq008\_Projection\_Select\_Transformation.cs

09) Linq009\_Projection\_Select\_AnonymousTypes\_1.cs

10) Linq010\_Projection\_Select\_AnonymousTypes\_2.cs

11) Linq011\_Projection\_Select\_AnonymousTypes\_3.cs

12) Linq012\_Projection\_Select\_Indexed.cs

13) Linq013\_Projection\_Select\_Filtered.cs

14) Linq014\_Projection\_SelectMany\_Compound\_from\_1.cs

15) Linq015\_Projection\_SelectMany\_Compound\_from\_2.cs

16) Linq016\_Projection\_SelectMany\_Compound\_from\_3.cs

17) Linq017\_Projection\_SelectMany\_from\_Assignment.cs

18) Linq018\_Projection\_SelectMany\_Multiple\_from.cs

19) Linq019\_Projection\_SelectMany\_Indexed.cs

# Partitioning Operators

**Take, Skip, TakeWhile, SkipWhile**

20) Linq020\_Partitioning\_Take\_Simple.cs

21) Linq021\_Partitioning\_Take\_Nested.cs

22) Linq022\_Partitioning\_Skip\_Simple.cs

23) Linq023\_Partitioning\_Skip\_Nested.cs

24) Linq024\_Partitioning\_TakeWhile\_Simple.cs

25) Linq025\_Partitioning\_TakeWhile\_Indexed.cs

26) Linq026\_Partitioning\_SkipWhile\_Simple.cs

27) Linq027\_Partitioning\_SkipWhile\_Indexed.cs

# Ordering Operators

**OrderBy, OrderByDescending, ThenBy, ThenByDescending, Reverse**

28) Linq028\_Ordering\_OrderBy\_Simple\_1.cs

29) Linq029\_Ordering\_OrderBy\_Simple\_2.cs

30) Linq030\_Ordering\_OrderBy\_Simple\_3.cs

31) Linq031\_Ordering\_OrderBy\_Comparer.cs

32) Linq032\_Ordering\_Simple\_1.cs

33) Linq033\_Ordering\_OrderByDescending\_Simple\_2.cs

34) Linq034\_Ordering\_OrderByDescending\_Comparer.cs

35) Linq035\_Ordering\_ThenBy\_Simple.cs

36) Linq036\_Ordering\_ThenBy\_Comparer.cs

37) Linq037\_Ordering\_ThenByDescending\_Simple.cs

38) Linq038\_Ordering\_ThenByDescending\_Comparer.cs

39) Linq039\_Ordering\_Reverse.cs

# Conversion Operators

**ToArray, ToList, ToDictionary, OfType<T>**

40) Linq040\_Conversion\_ToArray.cs

41) Linq041\_Conversion\_ToList.cs

42) Linq042\_Conversion\_ToDictionary.cs

43) Linq043\_Conversion\_OfType.cs

# Aggregate Operators

**Count, Sum, Min, Max, Average, Aggregate**

44) Linq044\_Aggregate\_Count\_Simple.cs

45) Linq045\_Aggregate\_Count\_Conditional.cs

46) Linq046\_Aggregate\_Count\_Nested.cs

47) Linq047\_Aggregate\_Count\_Grouped.cs

48) Linq048\_Aggregate\_Sum\_Simple.cs

49) Linq049\_Aggregate\_Sum\_Projection.cs

50) Linq050\_Aggregate\_Sum\_Grouped.cs

51) Linq051\_Aggregate\_Min\_Simple.cs

52) Linq052\_Aggregate\_Min\_Projection.cs

53) Linq053\_Aggregate\_Min\_Grouped.cs

54) Linq054\_Aggregate\_Min\_Elements.cs

55) Linq055\_Aggregate\_Max\_Simple.cs

56) Linq056\_Aggregate\_Max\_Projection.cs

57) Linq057\_Aggregate\_Max\_Grouped.cs

58) Linq058\_Aggregate\_Max\_Elements.cs

59) Linq059\_Aggregate\_Average\_Simple.cs

60) Linq060\_Aggregate\_Average\_Projection.cs

61) Linq061\_Aggregate\_Average\_Grouped.cs

62) Linq062\_Aggregate\_Aggregate\_Simple.cs

63) Linq063\_Aggregate\_Aggregate\_Seed.cs