# Retrieve Specific Items Using Take, Skip, Distinct, and Chunk



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#### **Module Goals**



#### **Perform partitioning operations**

- Take n elements
- Skip n elements

**Get a distinct value from collection** 

**Chunk a collection into smaller sets** 

# **Taking Elements**





**Take specific amount of elements** 

#### **Range Operator**

Specifies the start and end of a range

Take(5..8) gives us elements 6, 7 and 8, but does not include 9

Take(..4) goes from element 0 to 3

Take(10..) goes from element 11 through the end

Take(^5..^2) goes from the 5<sup>th</sup> element from end to 3<sup>rd</sup> from end





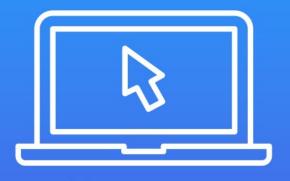
Take elements using range operator



Take elements while condition is true

# **Skipping Elements**



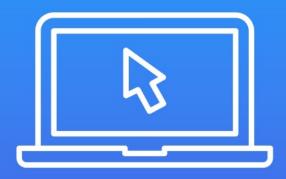


Skip specific amount of elements

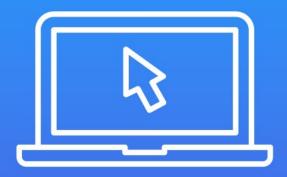
Skip elements while condition is true

### **Distinct Values**





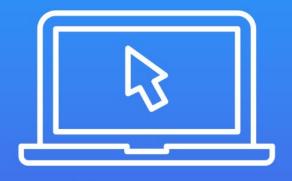
#### **Get a distinct value**



**Get a distinct object** 

### **Break into Chunks**





**Split large collection into array of smaller collections** 

# **Module Summary**



Take values from within collections

Skip values from beginning of collections

Split a collection using Chunk()

These methods are great for paging data

Distinct()/ DistinctBy() get unique values

**Up Next:** 

# Determine the Type of Data Contained Within Collections

