

# Extract Distinct Values, Assign Values and Partition Collections

---



**Paul D. Sheriff**

Business/IT Consultant   PDS Consulting

[psheriff@pdsa.com](mailto:psheriff@pdsa.com)

[www.pdsa.com](http://www.pdsa.com)

# Module Goals



- **Perform set operations**
  - **Assign values within collection**
- **Perform partitioning operations**
  - **Take  $n$  elements**
  - **Skip  $n$  elements**
- **Get a distinct value from collection**

# Set Operations

---

# Set Operations

**Iterate over entire  
collection**

**Set a property  
value in collection  
(similar to a SQL  
UPDATE)**

**Examples:**

- 1. Calculate the  
Name length**
- 2. Set TotalSales**

# Demo



- **Setting the length of the name property**

# Demo



- **Setting the total sales of a product**

# Taking Elements

---

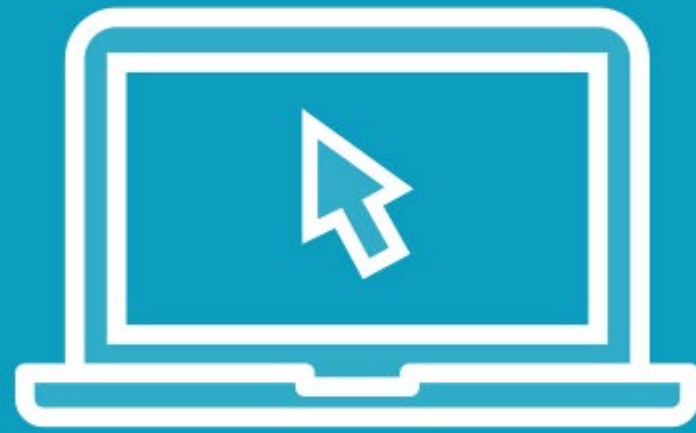
# Demo



- **Take specific amount of elements**



# Demo

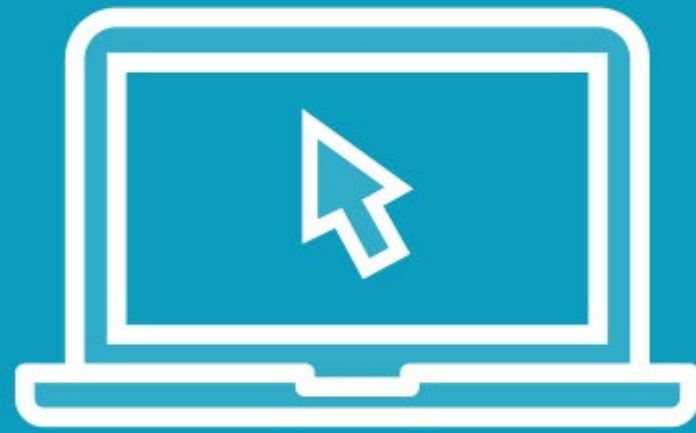


- **Take elements while condition is true**

# Skipping Elements

---

# Demo



- **Skip specific amount of elements**
- **Skip elements while condition is true**

Distinct Values

---

# Demo



- **Get a distinct value**

# Module Summary



- **Use 'let' keyword to assign values**
- **Use ForEach() method to iterate**
- **Take values from beginning of collections**
- **Skip values from beginning of collections**
- **Use Distinct() to get unique values**

Up Next:  
Identify What Kind of Data is Contained in  
Collections

---