

Instructor Notes:

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VBScript

Lesson 5: Dictionary Object

Capgemini 

Instructor Notes:

Add instructor notes here.

Lesson Objectives

- Dictionary Object
 - Properties
 - Methods



Instructor Notes:**Introduction to Dictionary Object**

- A Dictionary object is the equivalent of a PERL associative array.
- Items can be any form of data, and are stored in the array.
- Each item is associated with a unique key.
- The key is used to retrieve an individual item and is usually a integer or a string, but can be anything except an array.

Syntax :

```
Dim objname  
Set objname = CreateObject("Scripting.Dictionary")  
objname.Add (key, item)
```

Dictionary Object :

A Dictionary object can be compared to a PERL associative array. Any Values can be stored in the array and each item is associated with a unique key. The key is used to retrieve an individual element and it is usually an integer or a string, but can be anything except an array.

VBScript classes are enclosed within **Class End Class**.

Instructor Notes:**Dictionary Object - Properties**

- Count Property - Returns the number of items in a collection or Dictionary object. Read-only.
Syntax : `objDictionary.Count`
- CompareMode Property - Sets and returns the comparison mode for comparing string keys in a Dictionary object.
- Key Property - Sets a key in a Dictionary object. The newkey is a new value that replaces the specified key.
Syntax : `object.Key(key) = newkey`
- Item Property - Sets or returns an item for a specified key in a Dictionary object. For collections, returns an item based on the specified key. Read/write.
Syntax : `object.Item(key)[= newitem]`

Item property :

- If *key* is not found when changing an *item*, a new *key* is created with the specified *newitem*.
- If *key* is not found when attempting to return an existing item, a new *key* is created and its corresponding item is left empty.

Instructor Notes:

Dictionary Object - Methods



Method	Description	Syntax
Add	Adds a key and item pair to a Dictionary object	<code>object.Add(key, item)</code>
Exists	Returns true if a specified key exists in the Dictionary object, false if it does not.	<code>object.Exists(key)</code>
Items	Returns an array containing all the items in a Dictionary object.	<code>object.Items()</code>
Keys	Returns an array containing all existing keys in a Dictionary object.	<code>object.Keys()</code>
Remove	Removes a key, item pair from a Dictionary object.	<code>object.Remove()</code>
RemoveAll	The RemoveAll method removes all key, item pairs from a Dictionary object.	<code>object.RemoveAll()</code>

Instructor Notes:**Demo**

- datadictionaryAdd
- datadictionaryDelete
- datadictionaryDeleteOne
- datadictionaryExists
- datadictionaryViewCount



Instructor Notes:

Additional notes for
instructor

Lab



- Lab 8



Instructor Notes:**Lesson Summary**

- After completing this module, you now know about
- Dictionary Object, its properties & methods



Instructor Notes:

1. Option3:\?
2. Event Handler
3. Links

Review - Questions

- Question 1: The key of an Dictionary object can be an array. (True / False) : _____
- Question 2: List the properties of a Dictionary object.
- Question 3: Write the syntax of following methods :
 - Add
 - Remove
 - Exists

