VBA Arrays, Collections and Dictionaries

STATIC ARRAY			COLLECTION	
Declare		Dim arr(0 To 5) As Long Dim arr(5) As Long	Declare and create	Dim coll As New Collection
Reset all values		Erase arr	Declare and create in tw steps	Dim coll As Collection Set coll = New Collection
	DYNA	MIC ARRAY		
Declare		Dim arr() As Long	Add item	coll.Add "Apple" coll.Add 55
Set size		ReDim arr(1 To 10)		
Increase size of existing array		ReDim Preserve arr(1 To 10)	Access item	Range("A1") = coll(1)
Set size to zero		Erase arr		
			Remove item at index to	vo Coll.Remove 2
DYNAMIC AND STATIC ARRAY			Co through all itams (Ea	For i = 1 To coll Count
-		rr(1) = 56	Go through all items (Fo	Debug.Print coll(i) Next i
		or i = LBound(arr) To UBound(arr) Debug.Print arr(i)	0 11 1 11 11 15	
Go through all items(For Each)		or Each v In arr	Go through all items(For Each)	r For Each v In coll Debug.Print v Next v
		Debug.Print v		
			D	ICTIONARY
		AND RANGES	Early binding reference	"Microsoft Scripting Runtime" (Add using Tools->References)
Create variant array		Dim arr() As Variant	Declare(early binding)	Dim dict As Scripting.Dictionary
Read cell values to array		arr = Range("A1:Z2").Value	Create(early binding)	Set dict = New Scripting.Dictiona
Write array values to Rang		Range("A3:Z4").Value = arr	Declare(late binding)	Dim dict As Object
ARRAYS AND SUBS/FUNCTIONS			Create(late binding)	Set dict =
		JseArray(ByRef arr()) As Long)		CreateObject("Scripting.Dictiona
Pass to procedure	Dim a	arr(0 To 2) As Long array arr		dict.Add <key>,<value> dict.Add "Apples",50</value></key>
Use as return value	Function GetArray() As Long() Dim arr(0 To 2) As Long GetArray = arr		Silent Add. Updates value if key exists.	dict(<key>)= value dict("Orange") = 67</key>
Return from procedur	End S	Sub arr() As Long	Access item	value = dict("Apple")
		GetArray	Check if item exists	If dict.Exists("Apple") Then
TW Create		ISIONAL ARRAY 0 To 2,0 To 4) As Long	Remove item	dict.Remove "Apple"
Assign value	arr(0,0) = 45 arr(2,4) = 67		Remove all items	dict.RemoveAll
g.: 73.33			Go through all items	Dim key As Variant
Read through array	Dim i As Long, j as Long For i = LBound(arr) To UBound(arr) For j = LBound(arr, 2) To UBound(arr, 2) Debug.Print arr(i, j) Next j Next i		Co unough an items	For Each key In dict.Keys Debug.Print key, dict(key) Next
			Number of items	dict.Count
			Make key non case sensitive. Dictionary must be empty.	dict.CompareMode = TextCompa

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