We are going to look at testredim
Will decide on the size of the original array.
I use Gather Amount followed by Clear as I enter the 5 numbers because I said there were 5 original entries.
How many elements do I want to add to the existing array.
I entered 5 for the original array and then 3 more from the continue.

5 original -1 gives 0-4 and then 3 are added to give 7.
I added a message box for ct.

I filled the three slots in the table (with index/pointer set to 0–2). ct is now 3 and 14 will be added to the 4th slot with a pointer or index of 3 as shown in ct.
March 24, 2015

Added 15 to the slot 4 points to the fifth slot since the index runs from 0 to 4.
ct is the index or pointer
### Examples using VB 2010

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</table>

Now going to look at these starting with moreArrays because it has a Redim
The two ways out of a loop are:

1. I checked everything in the array.
2. I found a match.
```vbnet
Private Sub btnSortArray_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnSortArray.Click
    Dim array As Integer() = New Integer() {1, 2, 3, 4, 5, 6, 7, 8, 9}
    Dim sortedArray As Integer() = array.Clone() As Integer()
    For i As Integer = 0 To array.Length - 2
        For j As Integer = 0 To array.Length - i - 2
            If array(j) > array(j + 1) Then
                Dim temp As Integer = array(j)
                array(j) = array(j + 1)
                array(j + 1) = temp
            End If
        Next j
    Next i
    ListBox1.Items.Clear()
    For Each element In sortedArray
        ListBox1.Items.Add(element)
    Next element
End Sub
```
I ReDim what numArray and wordArray will hold by adding 1 to crsCt. I take in the course number and name and then assign to the new slot that was creating.
The size is in cm².
Answer to question about 2 dimensional tables.
For Each will step through numArray and the current element will be in showNum.
I can set up a module with array information.
Creating a module.