



 GetIterations: This design pattern returns with a list of iterations for an array:

```
Function GetIterations(ByVal sIterations)
                      Punction : GetIterations
Purpose : Get array with list of iterations
Args : ByNal siterations - A comma and hyphen sept
atring list with numbers of iterations to
Returns : A System.Collections.ArrayList
Umage : Set DotMetArray = GetIterations("1,3,7-9,15
Print DotMetArray.Count
For each item in DotMetArray
Print tiem
Next
                    Dim arrRange, min, max, i, j

Dim arrIterations : Set arrIterations = CreateObject("System

Dim arrImp : arrImp = Split(alterations, ",")
                    'Parse array with iterations
For i = 0 To Ubound(arrTmp)
arrRange = Split(arrTmp(i), "-")
                           If UBound(arrRange) = 1 Then '--- If is a Range min = arrRange(0) max = arrRange(1) If min > max Then Call SwepArgs(min, max) End If
                          For j = min To max
arriterations.Add j
Next
Else '--- A single numeric value
arriterations.Add arrTmp(i)
End If
'--- Dispose of temporary range array
Ersse arrRange
             Erase arrHange
Next

--- Dispose of temporary array
Erase arrTmp

--- Return DotNet array
Set GetTerations = arrIteration
End Function

---
       →

    PadNumber: This design pattern pads a number string with zeros:

             Function PadNumber(iNum, ByVal iMax)
                    Punction : PadNumber

Purpose : Pad a number with zeroes

Args : ByMef Blum (the number to be padded)

ByWal LMGx (the max value of the range)

Paturns : String

Returns : String
                   'Returns : String
'Validates the arguments - If invalid Then it returns the value
If (Not IsHumeric(iNum) or Not IsHumeric(iMax)) Then
PadBumber = iNum
Exit Function
End If
If (Abs (iNum) >= Abs (iMax)) Then
PadBumber = iNum
Exit Function
End If
            PadNumber = String(Len(CStr(Abs(iMax)))-Len(CStr(Abs(iNum))), '
End Function
       +

    Timestamp: This design pattern returns a time stamped string:

             Function Timestamp()
                    Function : Timestamp
Purpose : Build a timestamp string
Args : N/A
Returns : String

    CNum: This design pattern returns values based on coalescing

      operators:
            Class CNum
Private m_value
                    Public Function [=](n)
                   Public Function (=) (n)
value = n
End Function
Public Function (++) ()
value = value+1
[++] = value
End Function
                    Public Function [--]()

value = value-1

[--] = value

End Function

Public Function [+=](n)

value = value+n

[+=] = value
```

```
End Function
Public Function [--] (n)
value = value-
[--] = value

End Function
Public Function [*-] (n)
value = value'n
[*-] = value

End Function
Public Function [*-] (n)
value = value'n
[/-] = value

End Function
Public Function [*-] (n)
value = value'n
[/-] = value

End Function
Public Function [*-] (n)
value = value'n
[\u00e4] = value

End Function
public default Property Get Value ()
Value = m_value

End Function
m_value = n
End Property
sub class_initialize()
value = 0
End sub

End Class

End Class

Function
End Punction

Value = 0
End sub
End Class
```

[As Num]: This design pattern returns a string as a number:

```
Function [As Num] (n)
Set [As Num] = new CNum
If isnumeric(n) Then [As Num].Value = n
End Function
```

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```
]: This design pattern returns an incremented string number
 Punction [++] (n)
Dim i
Set i = [As Num] (n)
i.value = n
i.[++]
[++] = i
End Function
 ]: This design pattern returns a decremented string number
Punction [--] (n)

Dim i

Set i = [As Num] (n)
i.value = n
i.[--]
[--] = i

End Function
```



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