class

**JSON.Factory**

**Factory class**

Factory is a pre-declared object Performing instanciation of JSON objects.

**Public Member functions**

**CreateArray()**

Return a new JArray object.

**CreateBoolean(ByVal Value As Boolean)**

Return a new JBoolean object.

**CreateDocument()**

Return a new JDocument object.

**CreateFileReader(ByVal Path As String)**

Return a new FileReader object

**CreateFileWriter(ByVal Path As String)**

Return a new FileWriter object.

**CreateNull()**

Return a new JNull object.

**CreateNumber(ByVal Value As Double)**

Return a new JNumber object.

**CreateObject()**

Return a new JObject object

**CreatePair(ByVal Name As String, ByVal Value As Object)**

Return a new Pair object

**CreateString(ByVal Value As String)**

Return a new JString object

**Public Member functions details**

# JSON.Factory.CreateArray()

**Return a new JArray object.**

**Parameters**

None.

**Return Value**

An empty JArray object.

**Example**

|  |  |
| --- | --- |
| 1 2 3 4 5 6 | ‘// Factory.CreateArray  Public Sub Main()  Dim JArray As JSON.JArray  Set JArray = Factory.CreateArray  End Sub |

# JSON.Factory.CreateBoolean(ByVal Value As Boolean)

**Return a new JBoolean object.**

**Parameters**

Value

A boolean value defining the object’s initial value.

**Return Value**

A JBoolean value who’s value match the input parameter.

**Example**

|  |  |
| --- | --- |
| 1 2 3 4 5 6 | ‘// Factory.CreateBoolean  Public Sub Main()  Dim JBoolean As JSON.JBoolean  Set JBoolean = Factory.CreateBoolean(True)  End Sub |

# JSON.Factory.CreateDocument()

**Return a new JDocument object.**

**Parameters**

None.

**Return Value**

An empty JDocument object

**Example**

|  |  |
| --- | --- |
| 1 2 3 4 5 6 | ‘// Factory.CreateDocument  Public Sub Main()  Dim JDocument As JSON.JDocument  Set JDocument = Factory.Createdocument  End Sub |

# JSON.Factory.CreateFileReader(ByRef Path As String)

**Return a new FileReader object.**

**Parameters**

Path

Local or UNC Path to an existing file.

**Return Value**

A FileReader object implementing the IReader interface.

**Example**

|  |  |
| --- | --- |
| 1 2 3 4 5 6 | ‘// Factory.CreateFileReader  Public Sub Main()  Dim FileReader As JSON.FileReader  Set FileReader = Factory.CreateFileReader(“c:\Temp\myFile.txt”)  End Sub |

# JSON.Factory.CreateFileWriter(ByRef Path As String)

**Return a new FileWriter object.**

**Parameters**

Path

Local or UNC Path to an existing file.

**Return Value**

A FileWriter object implementing the IWriter interface.

**Example**

|  |  |
| --- | --- |
| 1 2 3 4 5 6 | ‘// Factory.CreateFileWriter  Public Sub Main()  Dim FileWriter As JSON.FileWriter  Set FileWriter = Factory.CreateFileWriter(“c:\Temp\myFile.txt”)  End Sub |

# JSON.Factory.CreateNull()

**Return a new JNull object.**

**Parameters**

None.

**Return Value**

A JNull object.

**Example**

|  |  |
| --- | --- |
| 1 2 3 4 5 6 | ‘// Factory.CreateNull  Public Sub Main()  Dim JNull As JSON.JNull  Set JNull = Factory.CreateNull  End Sub |

# JSON.Factory.CreateNumber(ByVal Value as Double)

**Return a new JNumber object.**

**Parameters**

Value

Any numeric value.

**Return Value**

A JNumber object.

**Example**

|  |  |
| --- | --- |
| 1 2 3 4 5 6 | ‘// Factory.CreateNumber  Public Sub Main()  Dim JNumber As JSON.JNumber  Set JNumber = Factory.CreateNumber(38.456)  End Sub |

# JSON.Factory.CreateObject()

**Return a new JObject object.**

**Parameters**

None.

**Return Value**

An empty JObject object.

**Example**

|  |  |
| --- | --- |
| 1 2 3 4 5 6 | ‘// Factory.CreateObject  Public Sub Main()  Dim JObject As JSON.JObject  Set JObject = Factory.CreateObject  End Sub |

# JSON.Factory.CreatePair(ByVal Name as string, ByVal Value As Object)

**Return a new Pair object.  
Can throw a Type Mismatch error (13) if the Value parameter isn’t one of the expected type.**

**Parameters**

Name

String, the object’s name.

Value

Any object among JArray, JBoolean, JNull, JNumber, JObject or JString.

**Return Value**

A Pair object whos name and value match the input parameters.

**Example**

|  |  |
| --- | --- |
| 1 2 3 4 5 6 | ‘// Factory.CreatePair  Public Sub Main()  Dim Pair As JSON.Pair  Set Pair = Factory.CreatePair(“Object name”, Factory.CreateNull)  End Sub |

# JSON.Factory.CreateString(ByVal Value As String)

**Return a new JString object.**

**Parameters**

Value

String, the object’s name.  
This parameter does not need to be escaped.

**Return Value**

A JString object.

**Example**

|  |  |
| --- | --- |
| 1 2 3 4 5 6 | ‘// Factory.CreatePair  Public Sub Main()  Dim JString As JSON.JString  Set JString = Factory.CreateString(“a string value”)  End Sub |