VB.NET - MISCELLANEOUS OPERATORS

http://www.tutorialspoint.com/vb.net/vb.net_misc_operators.htm

There are few other important operators supported by VB.Net.

Operator	Description	Example
AddressOf	Returns the address of a procedure.	AddHandler Button1.Click, AddressOf Button1_Click
Await	It is applied to an operand in an asynchronous method or lambda expression to suspend execution of the method until the awaited task completes.	Dim result As res = Await AsyncMethodThatReturnsResult() Await AsyncMethod()
GetType	It returns a Type object for the specified type. The Type object provides information about the type such as its properties, methods, and events.	MsgBox(GetType(Integer).ToString())
Function Expression	It declares the parameters and code that define a function lambda expression.	Dim add5 = Function(num As Integer) num + 5 'prints 10 Console.WriteLine(add5(5))
If	It uses short-circuit evaluation to conditionally return one of two values. The If operator can be called with three arguments or with two arguments.	Dim num = 5 Console.WriteLine(If(num >= 0, "Positive", "Negative"))

Example

The following example demonstrates some of these operators:

```
Module assignment
   Sub Main()
      Dim a As Integer = 21
      Console.WriteLine(GetType(Integer).ToString())
      Console.WriteLine(GetType(Double).ToString())
      Console.WriteLine(GetType(String).ToString())
      Dim multiplywith5 = Function(num As Integer) num * 5
      Console.WriteLine(multiplywith5(5))
      Console.WriteLine(If(a >= 0, "Positive", "Negative"))
      Console.ReadLine()
   End Sub
End Module
```

When the above code is compiled and executed, it produces the following result:

```
System.Int32
System.Double
System.String
25
Positive
```