

Data Types

Data Type	Default Value	Example
Boolean	false	b = true;
String	(empty string)	s = "test";
Integer	0	val = 123;
Float	NaN	val = 123.45
Double	NaN	val = 12.345
Time	1/1/0001 12:00:00 AM	t1 = "1/25/2010 8:00:00 AM"
ElapsedTime	00:00:00.0000000	t2 = "15:45:30/1500"
Object	null	o = anything;

Arrays

```
Dim var[upperbound] As datatype;
```

```
Dim var[upperbound1, upperbound2] As datatype;
```

```
Dim var[upperbound1, upperbound2, upperbound3] As datatype;
```

Lower bound is always 1. Upper bound is between 1 and 2,147,483,647.

To assign an entire array:

```
vararray1[] = vararray2[];
```

```
vararray[] = object.attarray[];
```

Control Structures

```
If condition Then
    'statements
ElseIf condition Then
    'statements
Else
    'statements
EndIf;
```

```
For var = start To end
    'statements
Exit For;
    'statements
Next;
```

```
For Each var In collection
    'statements
Exit For;
    'statements
Next;
```

```
While condition
    'statements
Exit While;
    'statements
EndWhile;
```

Operators

Op.	Description
+	Addition and concatenation
-	Subtraction and negation
&	Bitwise AND
*	Multiplication
**	Power
/	Division
~	Complement
^	Exclusive OR
	Inclusive OR
<	Less than
<=	Less than or equal to
<>	Not equal to
=	Assignment
==	Equivalency
>	Greater than
>=	Greater than or equal to
NOT	Logical NOT
AND	Logical AND
MOD	Modulo
OR	Logical OR
SHL	Left shift
SHR	Right shift