

Using Variables, Operators and Constants



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Module Goals



Variables and data types

Using constants

Math, relational and logical operators



Demo



Different ways to declare variables



Demo



Scope of variables



Demo



Static variables



Demo



The Object data type



Demo



Data types and Option Strict



Demo



Constants



Demo



Mathematical operators

- Addition and subtraction
- Multiplication and division
- Short-hand operators
- Integer division
- Modulus
- Exponentiation



Demo



Relational operators

- Less than, less than or equal
- Greater than, greater than or equal
- Equal and not equal



Demo



Logical operators

- And
- Or
- Not



Order of Precedence

Arithmetic

in the order they occur from
left to right

Multiplication and division
first

Addition and subtraction
second

Comparison

In the order they occur
from left to right

Logical (And, Or Not)

In this order: Not, And, Or



Demo



Order of precedence



Summary



Put changing data into variables

Place non-changing data into constants

Math operators have short-cuts

Remember your order of precedence





Coming up in the next module...

Object-oriented programming

