**Basics of Expressions**

Expressions in Report Builder 3.0 are written in Microsoft Visual Basic and can be used to:

* Perform calculations
* Manipulate strings
* Format dates and numbers
* Apply conditional logic

**Common Expression Scenarios**

**1. Calculations**

You can perform arithmetic operations like addition, subtraction, multiplication, and division.

**Example:** Calculate the total price

vb

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=Fields!UnitPrice.Value \* Fields!Quantity.Value

**2. String Manipulation**

You can concatenate strings or extract parts of a string.

**Example:** Concatenate first and last names

vb

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=Fields!FirstName.Value & " " & Fields!LastName.Value

**3. Formatting Dates and Numbers**

You can format dates and numbers to match specific formats.

**Example:** Format a date

vb

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=Format(Fields!OrderDate.Value, "MMMM dd, yyyy")

**Example:** Format a number as currency

vb

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=FormatCurrency(Fields!TotalPrice.Value)

**4. Conditional Logic**

You can apply conditional logic to show different values based on certain conditions.

**Example:** Display different text based on a condition

vb

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=IIf(Fields!TotalPrice.Value > 100, "High", "Low")