_ternaryOperators

Short conditional statements can be inserted with the ternary operator "a ? b : c." This works like an if-else statement: if the condition "a" evaluates true, then insert "b;" if "a" is false, insert "c." You must provide all parameters for the ternary operator to function, even if one parameter simply inserts a blank space. If you want to output a string in the b or c parameters, include quotation marks around the string.

The ternary operator is useful in formulas that divide by a variable, where that variable might sometimes equal zero. Otherwise, the attempt to divide by zero results in an error. Use the ternary operator to check whether that variable is zero and then provide formulas for each situation. For example, if you want to calculate a percentage using two fields, but $field2 might sometimes equal zero, you could use "$field2 == 0 ? 0 : 100*($field1/$field2)" to output zero if $field2 is zero and otherwise output the calculated percentage.

In some cases, the ternary operator might unintentionally render a Choice field value as code, such as 1@2, instead of the text of the value. To show the text instead, use the concat() function inside the ternary syntax. For example: $formula($choice_field=="Choice A" ? concat($preselected_value_in_choice_field2) : concat($preselected_value_in_choice_field3))

Syntax

```
$formula($condition ? "True Output" : "False output")
```

Example

In this example the statement compares the variable $n to the value 1. If it is 1, "$n is 1" is shown. If it's not 1, "$n is not 1" is shown.

```
($n==1) ? "$n is 1" : "$n is not 1"
```

In this example, the statement uses functions inside the ternary formula. This outputs information about the delegation timeline, if the delegation is time-based, and otherwise states that the delegation isn't time-based. Notice that inside the ternary function, $formula is not used a second time.

```
$formula(($delegation_type=="Time-Based") ? "Delegation from " + dateformat("MMM
dd, yyyy", $delegation_start_date) + " to " dateformat("MMM dd, yyyy",
$delegation_end_date) : "Delegation is not time-based.")
```