Conditional Formulas | WeWeb Documentation

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| URL source | <https://docs.weweb.io/formulas/conditional.html> |
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## Conditional formulas ​

Conditional formulas are a way to test for truthiness or falsiness of variables or comparisons and return a different value according to this.

## if ​

if takes 3 arguments, in order:  
condition the variable or comparison to test truthiness on value1 the value to return if the condition is truthy value2 the value to return if the condition is falsy

## Example ​

Here, we're using the if formula with a variable ( display modal ) as a condition. The formula will test if the varibale is true , and because it's false in this case, it'll return the second value.

### Images

<https://docs.weweb.io/assets/conditional-if.h0bTaB8Q.png>

## ifEmpty ​

## Use case ​

The ifEmpty formula is used to check if a given value is empty or not.  
If the value is empty, it returns a specified fallback value. If the value is not empty, it returns the original value.

## Syntax ​

The basic syntax of the ifEmpty formula is: ifEmpty(first\_parameter, second\_parameter)  
The first parameter is the value you want to check. The second parameter is the value to return if the first parameter is empty.

## Examples ​

Let's say you want to check if user\_input is empty and return "Default Value" if it is, the formula would be: ifEmpty(user\_input, "Default Value")  
If user\_input has a value, the formula will return that value. If it is empty, it will return "Default Value".  
Here's the ifEmpty formula in action to check if a collection has returned items or not:

### Images

<https://docs.weweb.io/assets/ifempty.D4-M71tz.gif>

## not ​

The not formula takes a variable or camparison, and return the opposite boolean value.  
Ok, so what does it means? 😆  
If a variable or comparison is truthy, it will return false . If a variable or comparison is falsy, it will return true .  
So, this formula is useful when you need to invert a condition.

## Example ​

In this example, we apply not to the display modal from before, which is false . So the return value is true .  
  
If we take back the example from the if formula, it will now return the first value as the comparison is now not(false) , so true .

### Images

<https://docs.weweb.io/assets/conditional-not1.DdEAsSIm.png>

<https://docs.weweb.io/assets/conditional-not2.CcbUc3ki.png>

## switch ​

The switch formula takes an expression , then checks its equality with each value and return the matching result.

## Example ​

Here, switch takes the variable user location as a an expression, which equals to "USA" . It'll then loop over values, match the one which equals "USA" too, and return the matching value, which is Hello from the US 👋" .

### Images

<https://docs.weweb.io/assets/conditional-switch.BKfy4p2D.png>