Intro to formulas | WeWeb Documentation

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| URL source | <https://docs.weweb.io/formulas/intro-to-formulas.html> |
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## Intro to formulas ​

To manipulate data in your frontend, you can use WeWeb formulas.  
Common examples include but are not limited to:  
filtering a list of items , formatting text, or changing a style based on conditions .

## Binding formulas ​

You can use WeWeb formulas in any binding:  
  
In the example above, you can see:  
we opened the binding explorer, went to the formula tab to look for the pre-built switch formula, and wrote a formula directly in the explorer to format the text on the page based on the value of item in our collection.  
This formula is local in the sense that, if we wanted to use it elsewhere in our app, we would have to re-write or copy/paste it.

### Images

<https://docs.weweb.io/assets/formulas-local.ByRLZ_6O.png>

## Create a global formula ​

As your app grows in complexity, we recommend you build global formulas in the Actions tab that you can then use throughout your app:  
  
In the example above, you can see:  
in the Actions tab, we created several global formulas, the formatNumber\_nocode formula takes a Text input that expects a number in the binding explorer, global formulas can be found in the From project section of the formula tab

### Images

<https://docs.weweb.io/assets/formulas-global.BEH7TLkz.png>

## Bind to a global formula ​

Global formulas are helpful because you can use them everywhere:  
  
In the example below, you can see:  
we opened the binding explorer to a text element, went to the formula tab, used our global formatNumber\_nocode formula, and built on top of it to format additional text.

### Images

<https://docs.weweb.io/assets/formulas-global-use.BRqFOC-0.png>

## Global vs local formulas ​

In some cases, it makes sense to create formulas that are scoped to a specific element or component.  
In other cases, it's helpful to create global formulas that you can reuse throughout your app.  
As a general rule, if you catch yourself re-writing or copy/pasting formulas multiple times, it's a sign you might want to create a global formula instead because, if you need to debug or improve it down the line, you can do it in one place.  
In addition, using global formulas will allow you to see which ones are being used on a page:

### Images

<https://docs.weweb.io/assets/formulas-page-filter.DA9KKfxl.gif>