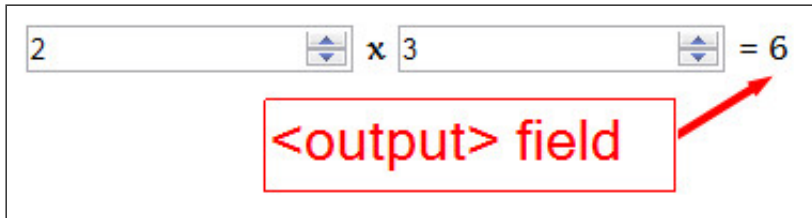


The <output> element

The output element represents the result of a computation or user action. You can see it as a "specialized <div> or " for displaying interactive results.



2 x 3 = 6

<output> field



TYPICAL USE / INTERACTIVE EXAMPLES

Do not hesitate to play with the source code of these examples online at [JS Bin](#).

Example 1

```
<form oninput="o.value=a.value*b.value">
  <input type="number" name="a" id="a" value="2"> x
  <input type="number" name="b" id="b" value="3"> =
  <output for="a b" name="o">6</output>
</form>
```

The `oninput` event handler directly uses the `<output>` element using the value of its name attribute.

Result (do change the input field values):



2 x 3 = 6

Explanation about the attributes specific to the <output>element:

- **for**: a space-separated list containing the elements' ids whose values went into the calculation.
- **name**: the name of the element.
- **form**: associates the <output> element with its form owner. The value must be the **id** of a form in the same document. This allows you to place an <output> element outside of the <form> with which it is associated.

Example 2



Source code:

```
<form >
  <input name="a" value="50" type="range"

  oninput="x.value =a.valueAsNumber + b.valueAsNumber;
          y.value = this.value;"/>
  <output id="y">50</output> +
  <input name="b" value="50" type="number" /> =
  <output name="x" id="x" for="a b"></output>
</form>
```

HTML5 has introduced new input field

properties: `valueAsNumber` and `valueAsDate`. The last example is similar to the previous one except that we use an addition instead of a multiplication.

As input field values are considered as strings by JavaScript, using `x.value = a.value + b.value` would result in a string concatenation instead of an addition. That's why we use the `valueAsNumber` property.

This is why we used the `valueAsNumber` property also introduced by HTML5 for some input fields such as `<input type="range">` and `<input type="number">`, we also encountered the `valueAsDate` properties when we studied `<input type="date">`.