The **HTML Output element** (**<output>**) is a container element into which a site or app can inject the results of a calculation or the outcome of a user action.

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| --- | --- |
| [**Content categories**](https://developer.mozilla.org/en-US/docs/HTML/Content_categories) | [Flow content](https://developer.mozilla.org/en-US/docs/HTML/Content_categories#Flow_content), [phrasing content](https://developer.mozilla.org/en-US/docs/HTML/Content_categories#Phrasing_content), [listed](https://developer.mozilla.org/en-US/docs/HTML/Content_categories#Form_listed), [labelable](https://developer.mozilla.org/en-US/docs/HTML/Content_categories#Form_labelable), [resettable](https://developer.mozilla.org/en-US/docs/HTML/Content_categories#Form_resettable) [form associated element](https://developer.mozilla.org/en-US/docs/HTML/Content_categories#Form-associated_content), palpable content. |
| **Permitted content** | [Phrasing content](https://developer.mozilla.org/en-US/docs/HTML/Content_categories#Phrasing_content). |
| **Tag omission** | None, both the starting and ending tag are mandatory. |
| **Permitted parents** | Any element that accepts [phrasing content](https://developer.mozilla.org/en-US/docs/HTML/Content_categories#Phrasing_content). |
| **Permitted ARIA roles** | Any |
| **DOM interface** | [HTMLOutputElement](https://developer.mozilla.org/en-US/docs/Web/API/HTMLOutputElement) |

**Attributes**

This element includes the [global attributes](https://developer.mozilla.org/en-US/docs/Web/HTML/Global_attributes).

**For**

A space-separated list of other elements’ [id](https://developer.mozilla.org/en-US/docs/Web/HTML/Global_attributes/id)s, indicating that those elements contributed input values to (or otherwise affected) the calculation.

**Form**

The [form element](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/form) that this element is associated with (its "form owner") . The value of the attribute must be an id of a form element in the same document. This attribute is not needed if the output element is a descendant of a form element or not associated with a form element.

**Name**

The name of the element, exposed in then HtmlFormElement API

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**Example**

This form provides a slider whose value can range between 0 and 100. and an [<input>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/input)element into which you can enter a second number. The two numbers are added together and the result is displayed in the <output> element each time the value of any of the controls changes

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<form input="result.value=parseInt(a.value)+parseInt(b.value)">

 <input type="range" name="b" value="50" /> +

 <input type="number" name="a" value="10" /> =

 <output name="result">60</output>

</form>