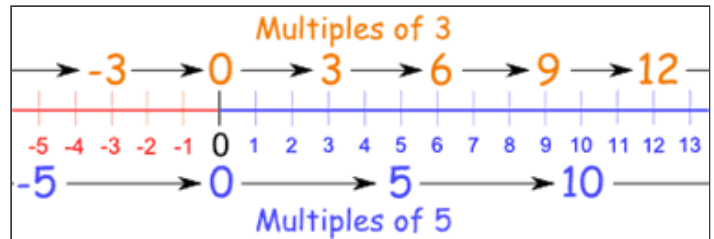


The multiple attribute

The `multiple` attribute is used with `email` and `file` input types. It's a Boolean attribute, so here is the different possible syntax:

- `<input type="email|file" multiple>`
- `<input type="email|file" multiple="multiple">`
- `<input type="email|file" multiple="">`



WITH `<INPUT TYPE="EMAIL">`

With the `<input type="email">`, this attribute gives the possibility to enter *a set of addresses, separated by a comma* instead of a single one. Entering several addresses will keep the input field *valid*.

[Online example at JS Bin](#)

Or try it below in your browser: type in a list of email addresses separated by a comma, then look at the input field background color (pink = invalid, green = valid), and then submit:

This form uses: `<input type="email" name="myemail" multiple>`

With the `multiple` attribute

Enter several email addresses:

Submit

This form does not use the `multiple` attribute:

Without the `multiple` attribute

Enter several email addresses:

Submit

Complete source code:

```
10. <!DOCTYPE html>
    <html>
    <style>
        input:invalid {
            background-color: lightPink;
        }
        input:valid {
            background-color: lightGreen;
        }
    </style>
    <body>
        <p>This form uses: <code><input type="email"
        name="myemail" <b>multiple</b></code></p>
        <form>
            <fieldset>
                <legend>With the multiple attribute </legend>
                <label for="emailmultiple">Enter several email addresses: </label>
                <input type="email" name="myemail"
                    title="enter multiple emails addresses, separated by a comma"
                    multiple/>
                <button>Submit</button>
            </fieldset>
        </form>
        <p>
        <p>This form does not use the multiple attribute:</p>
32. <form>
        <fieldset>
            <legend>Without the multiple attribute </legend>
            <label>Enter several email addresses: </label>
            <input type="email" name="myemail"
                title="only one address please!"/>
            <button>Submit</button>
        </fieldset>
    </form>
    <p>
```

Type in a list of email addresses separated by a comma. Look at the input field background color (pink = invalid, green = valid), and then submit. <p/>

43. </body>
</html>

Best practice: add a `title` attribute indicating what you expect as a valid entry (lines 24 and 37). If you enter bad values and submit, you will see in the error message the string value of the `title` attribute.

WITH <INPUT TYPE="FILE">

With this type of input field, multiple files can be chosen (while before HTML5, only a single file could be chosen).

Typical use: <input type=file multiple>

Try these in your browser, look at the small variations (text in the buttons, messages):

Example with <input type=file multiple>

Select one or more files: Choose Files No file chosen

Example without the `multiple` attribute:

Select only one file: Choose File No file chosen

Use the standard keys modifiers (shift, control, command) for selecting multiple files when the file chooser dialog pops up.

KNOWLEDGE CHECK 5.5.8 (NOT GRADED)

The `multiple` attribute can be used with several input types. Which ones?



- ☐ email
- ☐ tel
- ☐ file
- ☐ number
- ☐ color

Note: Make sure you select all of the correct options - two of them are correct!