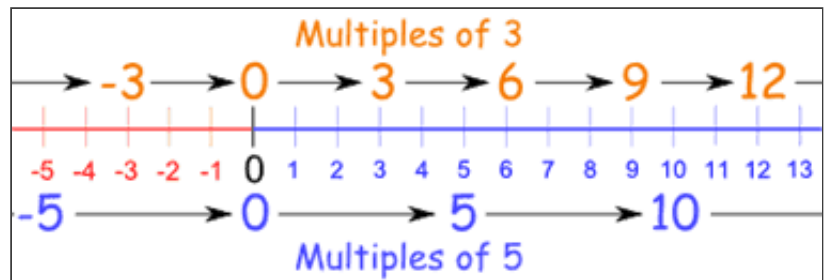


# The multiple attribute

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

- `<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 enables the user to enter *a set of addresses, separated by a comma* instead of a single address. 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:

This form does not use the `multiple` attribute:

Without the `multiple` attribute

Enter several email addresses:

Submit

Complete source code:

```
<!DOCTYPE html>
<html>
<style>
  input:invalid {
    background-color: lightPink;
  }
  input:valid {
    background-color: lightGreen;
  }
10. fieldset {
    border:1px solid;
    padding:20px;
  }
</style>
<body>
  <p>This form uses: <code><input type="email"
name="myemail">
    <b>multiple</b></code></p>
  <form>
21.   <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>
33. <p>This form does not use the multiple attribute:</p>
    <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/>
44. </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 (whereas 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:  No file chosen

Example without the `multiple` attribute:

Select only one file:  No file chosen

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

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## KNOWLEDGE CHECK 5.5.8 (NOT GRADED)

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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!

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