LESSON 4



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Forms & Tables

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HTML & CSS

LESSON 4

Forms and Tables

form, input types, labels, validation, select, textarea, and data tables

The form Element

contact.html

```
<form action="/register" method="post">
  <label for="name">Full name</label>
  <input id="name" name="name" type="text" required>

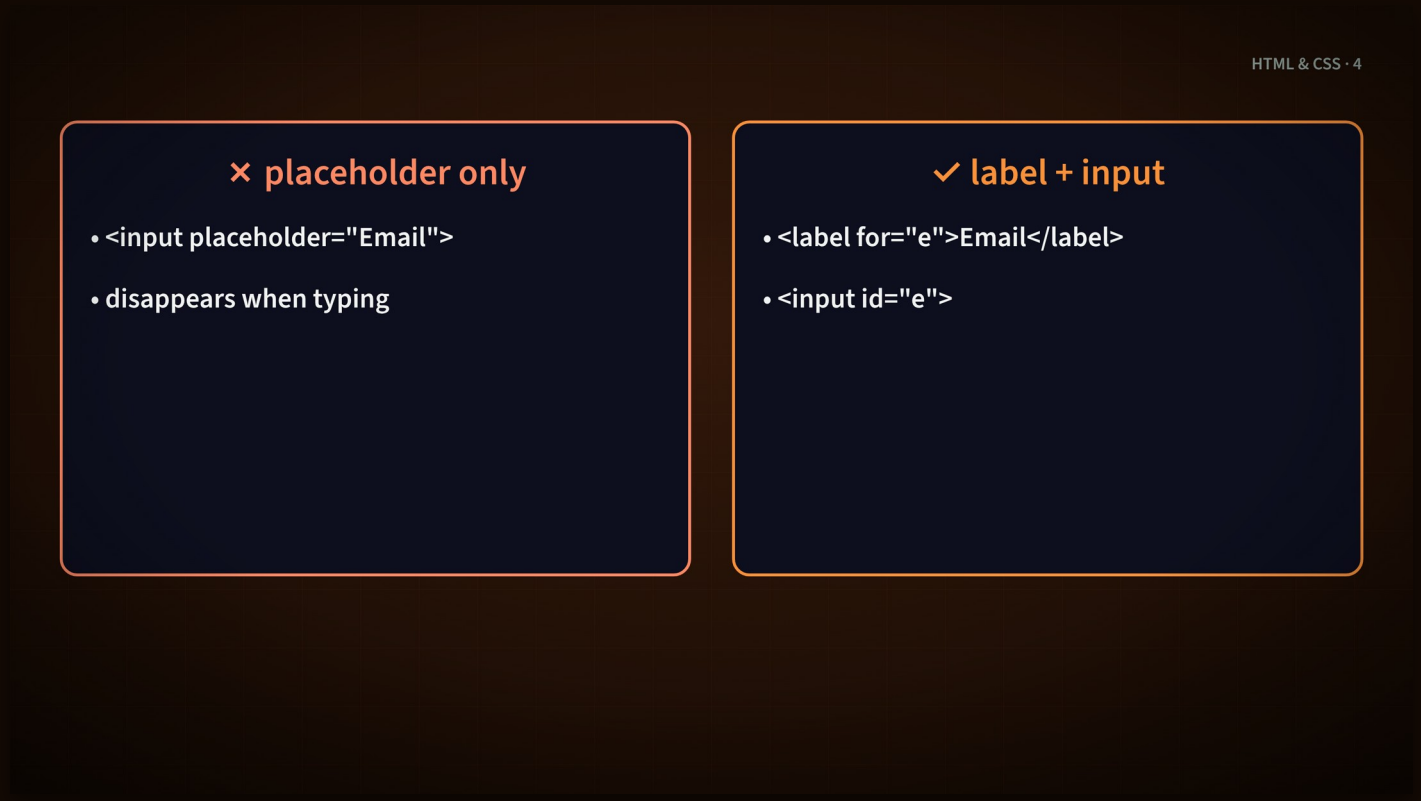
  <label for="email">Email</label>
  <input id="email" name="email" type="email" required>

  <button type="submit">Register</button>
</form>
```

- A form groups inputs and sends them to a server. action is the address it sends to, and …
- Each input needs a name, which becomes the key in the data sent.

01

Labels



- Every input needs a label. Connect them with for on the label and id on the input. Clicking …
- Screen readers read the label aloud. A placeholder is not a replacement for a label.

02

Input Types and Validation

form.html

```
<input type="number" name="age" min="16" max="99">
<input type="date" name="start">
<input type="tel" name="phone" pattern="[0-9]{10}">
<input type="password" name="pw" minlength="8" required>
<label><input type="checkbox" name="news"> Send me news</label>
<label><input type="radio" name="lang" value="fa"> Dari</label>
```

- The type attribute gives the right keyboard on phones and free validation: email, tel, …
- required, min, max, minlength and pattern let the browser check input before sending. …

03

select, textarea and fieldset

form.html

```
<fieldset>
  <legend>Your trip</legend>
  <label for="city">City</label>
  <select id="city" name="city">
    <option value="kbl">Kabul</option>
    <option value="hea" selected>Herat</option>
  </select>
  <label for="notes">Notes</label>
  <textarea id="notes" name="notes" rows="4"></textarea>
</fieldset>
```

- select makes a drop-down list of options. textarea accepts multi-line text. fieldset with …
- These give users clear, structured ways to answer.

04

Tables for Data

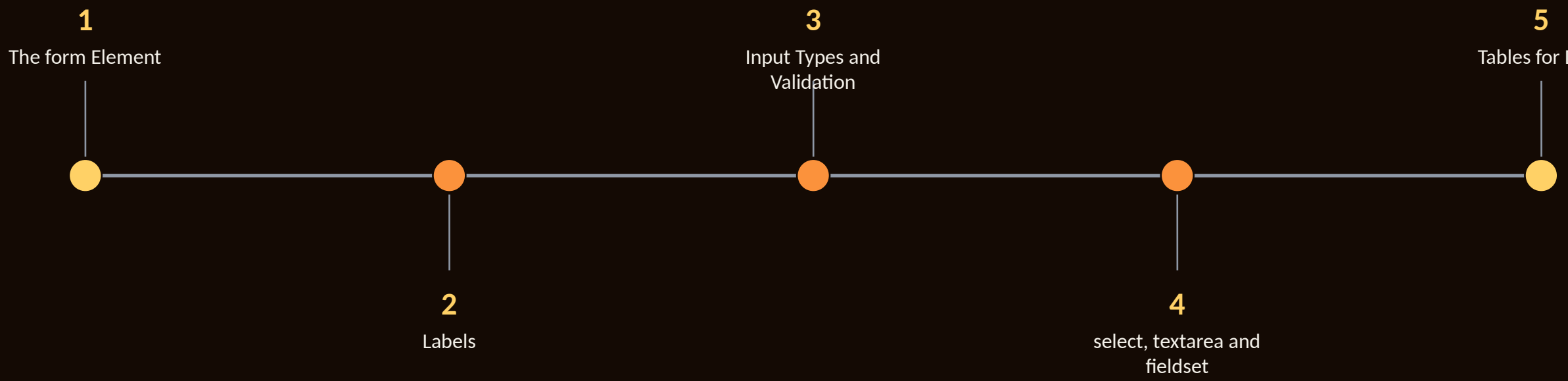
scores.html

```
<table>
  <caption>Exam results</caption>
  <thead>
    <tr><th scope="col">Name</th><th scope="col">Score</th></tr>
  </thead>
  <tbody>
    <tr><td>Mariam</td><td>95</td></tr>
    <tr><td>Ahmad</td><td>88</td></tr>
  </tbody>
</table>
```

- Use tables for tabular data, never for page layout. table contains rows, tr; header cells, …
- thead, tbody and caption give structure, and scope on th helps screen readers.

05

Lesson Map


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The form Element
2
Labels
3
Input Types and Validation
4
select, textarea and fieldset
5
Tables for Data

Sources and Further Reading

contact.html

```
<form action="/register" method="post">
  <label for="name">Full name</label>
  <input id="name" name="name" type="text" required>

  <label for="email">Email</label>
  <input id="email" name="email" type="email" required>

  <button type="submit">Register</button>
</form>
```


form.html

```
<input type="number" name="age" min="16" max="99">
<input type="date" name="start">
<input type="tel" name="phone" pattern="[0-9]{10}">
<input type="password" name="pw" minlength="8" required>
<label><input type="checkbox" name="news"> Send me news</label>
<label><input type="radio" name="lang" value="fa"> Dari</label>
```

Thank you for watching

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