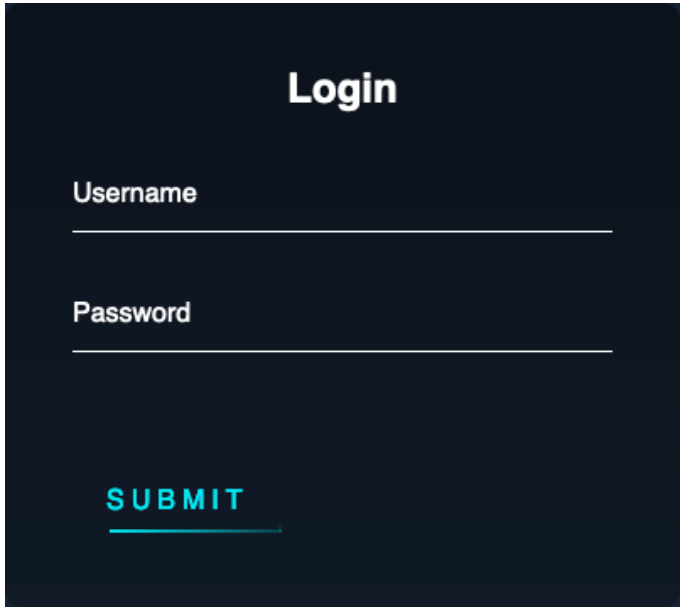
LOGIN PROJECT USING HTML, CSS



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What is in the HTML code?

The code is an HTML document that contains various tags and properties. Here is an explanation of each:

- `<!DOCTYPE html>`: This is a declaration that specifies the document type as HTML5.
- `<html lang="en">`: This is the opening tag for the HTML document and specifies the language of the document as English.
- `<head>`: This is the opening tag for the head section of the document. The head section contains metadata and links to external files, such as CSS stylesheets and JavaScript files.
- `<meta charset="UTF-8">`: This specifies the character encoding of the document as UTF-8.

- `<title>Login Form by Ken</title>`: This sets the title of the document to "Login Form by Ken".
- `<link rel="stylesheet" href="./style.css">`: This links an external CSS stylesheet called "style.css" to the document.
- `<body>`: This is the opening tag for the body section of the document. The body section contains the visible content of the document.
- `<!-- partial:index.partial.html -->`: This is a comment that indicates that this is a partial HTML file and not the complete HTML document.
- `<div class="login-box">`: This creates a div element with the class name "login-box".

- `<h2>Login</h2>`: This creates a heading element with the text "Login".
- `<form>`: This creates a form element that contains input fields and a submit button.
- `<div class="user-box">`: This creates a div element with the class name "user-box". This div contains an input field and a label element.
- `<input type="text" name="" required="">`: This creates an input field with the type "text" and the attributes "name" and "required". The name and required attributes are empty.

- `<label>Username</label>`: This creates a label element with the text "Username". This label is associated with the input field above using the "for" attribute.
- `<input type="password" name="" required="">`: This creates an input field with the type "password" and the attributes "name" and "required". The name and required attributes are empty.
- `<label>Password</label>`: This creates a label element with the text "Password". This label is associated with the input field above using the "for" attribute.
- `<a href="#">`: This creates an anchor element with an empty "href" attribute. This anchor element contains four span elements and the text "Submit".
- `<span></span>`: This creates an empty span element. There are four of these in the anchor element.

- `</a>`: This closes the anchor element.
- `<!-- partial -->`: This is a comment that indicates the end of the partial HTML file.
- `</body>`: This is the closing tag for the body section of the document.
- `</html>`: This is the closing tag for the HTML document.

Questions

1. What is the purpose of the `<!DOCTYPE html>` declaration in the HTML document?
2. What does the `lang` attribute in the opening `html` tag signify?
3. What is the purpose of the `head` section in an HTML document?
4. What does the `meta` tag with `charset` attribute specify?
5. What is the `title` element used for in an HTML document?
6. What is the purpose of the `link` tag in the `head` section of an HTML document?
7. What is the purpose of the `body` section in an HTML document?
8. What is the purpose of the `form` element in the HTML document?
9. What is the purpose of the `input` element with `type="text"` in the `form` element?
10. What is the purpose of the `label` element in the `form` element?

What is in the CSS code?

1. html { height: 100%; }

This sets the height of the html element to 100%.

2. body { margin:0; padding:0; font-family: sans-serif; background: linear-gradient(#141e30, #243b55); }

This sets the margin and padding of the body element to 0, sets the font family to sans-serif, and creates a linear gradient background with colors #141e30 and #243b55.

3. .login-box { position: absolute; top: 50%; left: 50%; width: 400px; padding: 40px; transform: translate(-50%, -50%); background: rgba(0,0,0,.5); box-sizing: border-box; box-shadow: 0 15px 25px rgba(0,0,0,.6); border-radius: 10px; }

This sets the styling for a class called "login-box." It sets the position to absolute, centers it horizontally and vertically on the page, sets the width to 400 pixels, adds padding of 40 pixels, sets the background color to an rgba value with an alpha of .5, sets the box sizing to border-box, adds a box shadow, and sets a border radius of 10 pixels.

4. .login-box h2 { margin: 0 0 30px; padding: 0; color: #fff; text-align: center; }

This sets the styling for an h2 element within the "login-box" class. It sets the margin to 0 on the top and sides, and 30 pixels on the bottom, sets the padding to 0, sets the text color to white, and centers the text.

5. .login-box .user-box { position: relative; }

This sets the styling for an element with a class of "user-box" within the "login-box" class. It sets the position to relative.

6. .login-box .user-box input { width: 100%; padding: 10px 0; font-size: 16px; color: #fff; margin-bottom: 30px; border: none; border-bottom: 1px solid #fff; outline: none; background: transparent; }

This sets the styling for an input element within an element with a class of "user-box" within the "login-box" class. It sets the width to 100%, adds padding of 10 pixels on the top and bottom, sets the font size to 16 pixels, sets the text color to white, adds a margin of 30 pixels on the bottom, removes the border and adds a bottom border of 1 pixel with a color of white, removes the outline and sets the background to transparent.

7. .login-box .user-box label { position: absolute; top:0; left: 0; padding: 10px 0; font-size: 16px; color: #fff; pointer-events: none; transition: .5s; }

This sets the styling for a label element within an element with a class of "user-box" within the "login-box" class. It sets the position to absolute, sets the top and left to 0, adds padding of 10 pixels on the

Questions

1. What is CSS?
2. What are some common CSS properties?
3. What is the purpose of the `background` property in CSS?
4. What does the `box-sizing` property do in CSS?
5. What is the purpose of the `transform` property in CSS?
6. How does the `border-radius` property work in CSS?
7. What is the `position` property used for in CSS?
8. How does the `box-shadow` property work in CSS?
9. What is the `transition` property used for in CSS?
10. What is the purpose of the `nth-child()` selector in CSS?

For questions and reviews
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