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Worksheet-01-solutions

Problem 1:

The issue was that the <p> tag was not closed. Closing tags are necessary for proper structure.

Corrected Code:

<!DOCTYPE html>  
<html>  
 <head>  
 <title>My Profile Page</title>  
 </head>  
 <body>  
 <h1>Welcome to My Profile</h1>  
 <p>Hi, I'm learning HTML5.</p>  
 </body>  
</html>

Problem 2:

The href attribute must contain a proper URL.

Corrected Code:

<a href="https://www.google.com">Visit Google</a>

Problem 3:

The image path was wrong. Also add alt text for accessibility.

Corrected Code:

<img src="images/user-profile.png" alt="Profile Picture">

Problem 4:

The button did not work because the form action and method were missing.

Corrected Code:

<form action="/submit" method="post">  
 <input type="text" name="username" placeholder="Enter username">  
 <button type="submit">Submit</button>  
</form>

Problem 5:

The table had a missing closing </tr> tag.

Corrected Code:

<table border="1">  
 <tr>  
 <td>Name</td>  
 <td>Email</td>  
 </tr>  
 <tr>  
 <td>John Doe</td>  
 <td>john@example.com</td>  
 </tr>  
</table>

Problem 6:

The video did not play because multiple formats and proper source tags were missing.

Corrected Code:

<video controls>  
 <source src="video.mp4" type="video/mp4">  
 <source src="video.webm" type="video/webm">  
 Your browser does not support the video tag.  
</video>

Problem 7:

The page had missing closing tags and wrong structure.

Corrected Code:

<!DOCTYPE html>  
<html>  
 <head>  
 <title>My Broken Web Page</title>  
 </head>  
 <body>  
 <h1>Welcome to My Page</h1>  
 <p>This is a paragraph with a missing closing tag.</p>  
 <img src="mypic.jpg" alt="My Picture">  
 <ul>  
 <li>Item 1</li>  
 <li>Item 2</li>  
 <li>Item 3</li>  
 </ul>  
 <a href="contact.html">Contact Us</a>  
 </body>  
</html>

Problem 8:

The page had errors in navigation, image, and form. After fixing, it looks like this:

<!DOCTYPE html>  
<html>  
 <head>  
 <title>Company Website</title>  
 </head>  
 <body>  
 <nav>  
 <ul>  
 <li><a href="index.html">Home</a></li>  
 <li><a href="about.html">About</a></li>  
 <li><a href="contact.html">Contact Us</a></li>  
 </ul>  
 </nav>  
  
 <div class="hero-section">  
 <h1>Welcome to Our Website</h1>  
 <img src="banner.jpg" alt="Company Banner">  
 </div>  
  
 <div class="contact-form">  
 <h2>Contact Us</h2>  
 <form action="submit.php" method="POST">  
 <label>Name:</label> <input type="text" name="name" required>  
 <label>Email:</label> <input type="email" name="email" required>  
 <textarea name="message">Enter your message</textarea>  
 <button type="submit">Send</button>  
 </form>  
 </div>  
 </body>  
</html>

Worksheet 2 - solutions

1) Add a media query to make it one column on small screens and hide extra horizontal scroll.  
@media (max-width: 600px) {  
 main {  
 grid-template-columns: 1fr;  
 }  
 body {  
 overflow-x: hidden;  
 }  
}

2) Change align-items: flex-center to center.  
nav {  
 display: flex;  
 justify-content: space-between;  
 align-items: center;  
 padding: 1em;  
 background-color: #333;  
 color: #fff;  
}

3) Add duration and include transform in transition.  
.animated-btn {  
 background: #007BFF;  
 color: white;  
 padding: 10px 20px;  
 border: none;  
 transition: background-color 0.3s ease-in, transform 0.3s ease-in;  
}  
  
.animated-btn:hover {  
 background-color: red;  
 transform: scale(1.2);  
}

4) Use box-sizing and relative width.  
.content {  
 box-sizing: border-box;  
 width: 100%;  
 padding: 20px;  
 margin: 15px 0;  
 background: lightblue;  
}