HTML BEGINNER TO ADVANCED



BEGINNER LEVEL:

Basic Structure:

 Every HTML document starts with <!DOCTYPE html>, followed by <html>, <head>, and
 <body> tags.

Common Tags:

- Headings: <h1> to <h6> for titles and subtitles.
- Paragraph: for text blocks.
- Links: for hyperlinks.
- Images:
 for images.
- Lists:

 (unordered),
 (ordered), and for list items.

Attributes:

- Attributes provide additional information about elements, e.g., .
- Common attributes include id, class, src, and href.

INTERMEDIATE LEVEL:

Forms and Inputs:

 Use <form> to collect user input with various types of inputs like <input type="text">,</input type="email">, <textarea>, etc.

Tables:

 Structure tabular data using , with rows and cells or header cells .

Semantic HTML:

Use elements like <header>, <footer>,
 <article>, and <section> to give meaning to content, improving accessibility and SEO.

ADVANCED LEVEL:

HTML5 Features:

- Canvas: <canvas> for drawing graphics via JavaScript.
- Audio/Video: <audio> and <video> for multimedia content.
- Local Storage: localStorage and sessionStorage for client-side storage.

Custom Data Attributes:

 Use data-* attributes to store custom data that can be accessed in JavaScript.

Responsive Design:

- Implement responsive design using meta tags like <meta name="viewport" content="width=device-width, initialscale=1.0">.
- Combine with CSS media queries to adapt the layout for different screen sizes.

Accessibility:

- Ensure web accessibility by using proper alt text for images, ARIA roles, and semantic tags.
- Example: <button arialabel="Close">x</button> ensures the button's purpose is clear for screen readers.