**HTML topics from beginner to advanced level:**

**Beginner Level**

1. **Introduction to HTML**
   * What is HTML?
   * Structure of an HTML document
2. **Basic HTML Tags**
   * <html>, <head>, <body>, <title>
   * Paragraphs, Headings, and Line Breaks
   * Bold, Italics, and Underline
3. **Text Formatting Tags**
   * <strong>, <em>, <u>
4. **Creating Lists**
   * Unordered Lists <ul>
   * Ordered Lists <ol>
   * Definition Lists <dl>
5. **Hyperlinks**
   * Creating links with <a> tag
   * Link Attributes (href, target)
6. **Images**
   * Adding images with <img>
   * Image Attributes (src, alt, width, height)
7. **Tables**
   * Basic Table Structure (<table>, <tr>, <td>, <th>)
   * Table Attributes
8. **Forms**
   * Form Basics (<form>, <input>, <label>, <button>)
   * Input Types (text, password, radio, checkbox)
   * Creating Dropdowns and Text Areas

**Intermediate Level**

1. **HTML5 Semantic Elements**
   * <header>, <footer>, <article>, <section>, <nav>
2. **HTML Attributes**
   * Global Attributes (id, class, style, title)
   * Specific Element Attributes
3. **Audio and Video**
   * Embedding audio (<audio>) and video (<video>)
   * Media Attributes (controls, autoplay, loop)
4. **Responsive Web Design**
   * Meta Tags for mobile devices
   * Viewport Configuration
5. **HTML Forms (Advanced)**
   * Form Validation
   * Input Attributes (required, placeholder, pattern, etc.)
   * File Upload Forms

**Advanced Level**

1. **Canvas and SVG**
   * Drawing graphics with <canvas>
   * Creating vector graphics with SVG
2. **HTML5 APIs**
   * Geolocation API
   * Local Storage
   * Web Workers
3. **Progressive Web Apps (PWA)**
   * Service Workers
   * App Manifest
4. **Web Accessibility**
   * ARIA (Accessible Rich Internet Applications)
   * Making Web Content Accessible
5. **Best Practices for HTML**
   * Clean and Semantic HTML
   * SEO Basics for HTML
   * Performance Optimization Tips

**CSS topics from beginner to advanced level:**

**Beginner Level**

1. **Introduction to CSS**
   * What is CSS?
   * Linking CSS to HTML (Inline, Internal, and External CSS)
2. **Basic Selectors**
   * Element, Class, and ID Selectors
   * Universal Selector (\*)
3. **CSS Syntax and Rules**
   * Writing CSS Rules (Selector, Property, Value)
4. **Text Styling**
   * Fonts (font-family, font-size, font-weight)
   * Text alignment, decoration, and transformation
5. **Box Model**
   * Understanding the box model (Content, Padding, Border, Margin)
   * Setting width and height
6. **Backgrounds**
   * Background color, images, and position
   * Background shorthand property
7. **Borders and Outlines**
   * Border width, style, color
   * Outline vs Border
8. **Colors and Gradients**
   * Color Codes (Hex, RGB, RGBA, HSL)
   * Linear and Radial Gradients

**Intermediate Level**

1. **CSS Positioning**
   * Static, Relative, Absolute, and Fixed positioning
   * Z-index
2. **Flexbox**
   * Flex container and flex items
   * Flex properties (justify-content, align-items, flex-wrap)
3. **CSS Grid Layout**
   * Defining a grid with display: grid
   * Grid items, grid lines, and grid templates
4. **Responsive Web Design**
   * Media Queries
   * Mobile-first design
5. **CSS Transitions**
   * Transition properties (duration, timing-function, delay)
   * Transition shorthand
6. **CSS Animations**
   * Keyframes (@keyframes)
   * Animation properties (duration, timing-function, iteration-count)
7. **Pseudo-Classes and Pseudo-Elements**
   * :hover, :focus, :nth-child(), ::before, ::after

**Advanced Level**

1. **Advanced Selectors**
   * Attribute Selectors
   * Child, Descendant, and Sibling Selectors
2. **CSS Variables (Custom Properties)**
   * Defining and using CSS variables
3. **CSS Transforms**
   * 2D and 3D transforms (rotate(), scale(), translate())
4. **Advanced CSS Grid Layout**
   * Grid template areas and grid auto-placement
   * Aligning and justifying grid items
5. **CSS Shapes**
   * Creating shapes with CSS (circle, polygon, etc.)
6. **CSS Clipping and Masking**
   * clip-path, mask
7. **CSS Preprocessors**
   * Introduction to Sass or Less
   * Variables, nesting, and mixins in Sass
8. **CSS Frameworks**
   * Overview of popular CSS frameworks (Bootstrap, Tailwind CSS)
9. **Web Accessibility (CSS)**
   * Ensuring accessible design with CSS
   * Contrast and color usage