**HTML File: css-intro.html**

* **Purpose: Introduces CSS and demonstrates different ways of styling HTML elements.**
* **HTML Structure:**
  + **Includes an h1 element with inline styling.**
  + **Several p elements with classes and IDs.**
  + **A p element with an ID for demonstrating a hover effect.**
* **Key Points:**
  + **Demonstrates three ways of styling:**
    1. **External CSS (linked in the head)**
    2. **Internal CSS (defined in the head)**
    3. **Inline CSS (applied directly to elements)**
  + **Explains the order of priority for styles: Inline > Internal > External.**

**CSS File: css-intro.css**

* **Purpose: Provides styling for the css-intro.html file.**
* **Key CSS Rules:**
  + **Element Selector (h1, #p4) for color and background.**
  + **Class Selector (.par) for background color.**
  + **ID Selectors (#p1, #p2, #p3) for text color.**
  + **Universal Selector (\*) for text color.**
  + **Pseudo Class Selector (#hover:hover) for a hover effect.**

**HTML File: text.html**

* **Purpose: Demonstrates text and typography styling using CSS.**
* **HTML Structure:**
  + **Includes various p elements with different classes for styling.**
* **Key Points:**
  + **Shows examples of font families, sizes, formatting, alignment, spacing, shadows, and Google Fonts.**
  + **Each p element has a different class for specific styling effects.**

**CSS File: text.css**

* **Purpose: Provides styling for the text.html file.**
* **Key CSS Rules:**
  + **Font styles (font-family, font-size).**
  + **Text formatting (bold, italic, underline).**
  + **Text alignment.**
  + **Line height and letter spacing.**
  + **Text shadow.**
  + **Google Font usage.**

**HTML File: backgrounds.html**

* **Purpose: Demonstrates different background styling techniques.**
* **HTML Structure:**
  + **Contains various p elements with different classes for background styling.**
  + **Includes an image element (<img>) at the end.**
* **Key Points:**
  + **Examples of different background colors (background-color).**
  + **Background images (background-image).**
  + **Opacity and transparency (rgba colors).**
  + **Usage of an image element with a relative path.**

**CSS File: backgrounds.css**

* **Purpose: Provides styling for the backgrounds.html file.**
* **Key CSS Rules:**
  + **Background colors for different classes.**
  + **Background images and positions.**
  + **Opacity and transparency settings.**
  + **Image sizing and borders.**

**HTML File: algorithm.html**

* **Purpose: Introduces basic CSS concepts like class, ID, and inline styles.**
* **HTML Structure:**
  + **Contains two paragraphs (<p> elements) with classes and IDs.**
* **Key Points:**
  + **Demonstrates class and ID usage for styling.**
  + **Includes inline styles for specific elements.**

**CSS File: algorithm.css**

* **Purpose: Provides styling for the algorithm.html file.**
* **Key CSS Rules:**
  + **Styling based on class (#second) and ID (#first).**
  + **Specificity demonstration using classes, IDs, and !important.**
  + **Universal selector usage for background color.**

**HTML File: box-model.html**

* **Purpose: Demonstrates the CSS box model with different classes.**
* **HTML Structure:**
  + **Three paragraphs (<p> elements) with different classes for the box model demonstration.**
* **Key Points:**
  + **Each paragraph represents different aspects of the box model: borders, padding, and margins.**

**CSS File: box-model.css**

* **Purpose: Provides styling for the box-model.html file.**
* **Key CSS Rules:**
  + **Different border styles (border-bottom, border-left).**
  + **Background color, border, and padding for .box2.**
  + **Margin and border for .box3.**
  + **Setting specific dimensions (width and height) for .box3.**

**These summaries outline the purpose and key aspects of each HTML and CSS file, providing an overview of the topics covered in a frontend bootcamp.**