

## Practical + Notes-Oriented Assignment

### ◊ PART A: Notes-Based Questions

(Students must write short/medium notes)

#### 1 Semantic HTML (Notes)

Write short notes on:

- What is Semantic HTML?
  - Why semantic tags are important in modern websites
  - Difference between semantic and non-semantic tags
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#### 2 Semantic Tags (Explain with Use)

Write notes on the following tags (minimum 3–4 lines each):

- <header>
- <nav>
- <main>
- <section>
- <article>
- <footer>

(Mention **where** and **why** each tag is used)

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#### 3 Section vs Article (Concept Note)

Write a detailed note explaining:

- What is <section>?
  - What is <article>?
  - One real-life example for each
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#### 4 Media Tags (Notes)

Write notes on:

- <audio> tag
- <video> tag

Include:

- Purpose
  - At least 3 attributes
  - One real-world use case
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## 5 <iframe> (Notes Question)

Write a note on:

- What is <iframe>?
  - Why is it used?
  - Two examples where <iframe> is required
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## 6 SEO Basics (Notes)

Write a note on:

- What is SEO?
  - How semantic HTML helps SEO
  - Role of headings (<h1>–<h6>) in SEO
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## 7 Accessibility Basics (Notes)

Write short notes on:

- What is web accessibility?
  - Why alt attribute is important
  - How semantic tags help screen readers
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## ❖ PART B: Practical-Oriented Questions(Programs)

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### Practical 1: Semantic Page Structure

Create an HTML page using **only semantic tags** that includes:

- <header> with website title
- <nav> with at least 3 links

- <main> containing:
    - One <section>
    - Inside section, one <article>
  - <footer> with copyright text
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## Practical 2: Blog Layout (Semantic)

Create a **blog page** using semantic HTML:

- Blog title in <header>
- Navigation menu
- One blog post using <article>
- Footer with author name

(No CSS required)

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## Practical 3: Audio & Video Page

Create an HTML page that includes:

- One audio player with controls
- One video player with controls and width

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## Practical 4: <iframe> Implementation

Create an HTML page that embeds:

- A YouTube video using <iframe>

Write one comment explaining why <iframe> is used.

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## Practical 5: SEO-Friendly Structure

Create an HTML page that:

- Uses only one <h1>
- Uses semantic tags
- Includes alt attribute for images

## Program 6: Semantic Website Structure

**Instruction:**

Create an HTML page using **semantic tags only** with the following structure:

- <header> → Website name
  - <nav> → Home | About | Contact
  - <main> → One <section>
  - Inside section → One <article>
  - <footer> → Copyright text
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## Program 7: Blog Page Using <article>

**Instruction:**

Create a blog page where:

- Blog title is inside <header>
  - One blog post is written using <article>
  - Blog content is inside <main>
  - Footer contains author name
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## Program 8: News Website Layout

**Instruction:**

Create a simple news website page:

- <header> → News website name
  - <nav> → Categories (Politics, Sports, Tech)
  - <main> → One <section>
  - Inside section → At least **2 <article> news items**
  - <footer> → Website info
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## Program 9: Audio Player Page

**Instruction:**

Create an HTML page that includes:

- One <audio> tag
- Use controls attribute
- Add a heading above the audio player

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## Program 10: Video Player Page

**Instruction:**

Create an HTML page that includes:

- One <video> tag
  - Use controls and width attributes
  - Add a heading describing the video
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## Program 11: Audio + Video Combined Page

**Instruction:**

Create a single HTML page that contains:

- One audio player
  - One video player
  - Both placed inside <section> tags
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## Program 12: <iframe> YouTube Embed

**Instruction:**

Create an HTML page that embeds a YouTube video using <iframe>.

Requirements:

- Use width and height
  - Add a heading above the iframe
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## Program 13: Accessibility-Friendly Page

**Instruction:**

Create an HTML page that follows accessibility rules:

- Use semantic tags
  - Add an image with alt attribute
  - Use <label> with <input>
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## Program 14: SEO-Friendly Semantic Page

**Instruction:**

Create an HTML page that:

- Uses only **one** `<h1>`
- Uses semantic tags
- Includes `<meta name="description">`
- Contains `<header>`, `<main>`, `<footer>`

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### Program 15: Portfolio Page (Semantic)

**Instruction:**

Create a personal portfolio page using semantic HTML:

- `<header>` → Name & role
- `<main>` → Projects section
- `<article>` → One project description
- `<footer>` → Contact or copyright

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### Program 16: FAQ Page (No JS)

**Instruction:**

Create an FAQ page using:

- `<details>`
- `<summary>`

Add at least **2 questions and answers**.

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### Program 17: Semantic + Media Page

**Instruction:**

Create an HTML page that includes:

- Semantic layout (header, main, footer)
- One `<video>` inside `<section>`
- One `<audio>` inside another `<section>`