

Topic 01 — Introduction to HTML : Lab Tasks by Gagan Baghel

Concepts Covered:

`<!DOCTYPE html>` , `<html>` , `<head>` , `<title>` , `<body>` , elements, attributes, comments, and page structure.

Learning Objective:

To understand the structure of an HTML document, use essential tags correctly, and write clean, well-commented HTML code.

Practice Tasks (10 Total)

Task 1: Create Your First Webpage

Goal: Learn basic HTML structure.

Instructions:

1. Create a new file named `index.html` .
2. Add the standard HTML boilerplate including `<!DOCTYPE html>` .
3. Inside `<body>` , display a heading — “Welcome to My First Webpage”.
4. Add a paragraph introducing yourself.
5. Add HTML comments describing what each section does.
6. Output :



Welcome to My First Webpage

in this paragraph , u need to introduce yourself.

Task 2: Add Metadata and Title

Goal: Understand `<head>` and `<title>` .

Instructions:

1. Add a `<title>` tag with "My First Webpage".
2. Add `<meta charset="UTF-8">` and `<meta name="description" content="Learning HTML basics">` .
3. Open in the browser and notice the title in the tab.
4. output :

```
<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>My First Webpage</title>
</head>
```

Task 3: Add a Personal Info Section

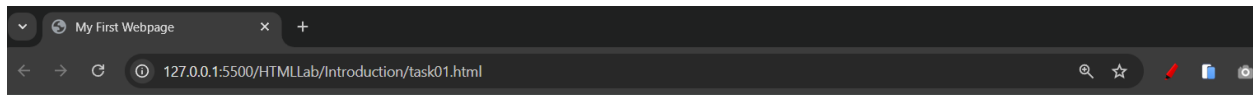
Goal: Practice using `<p>` , `<h1>` – `<h3>` , and line breaks.

Instructions:

1. Add your name in `<h2>` .
2. Write a short bio using `<p>` .
3. Add today's date using `<p>` and `
` tags.

4. Add a horizontal line `<hr>` to separate sections.

5. output :



Welcome to My First Webpage

in this paragraph , u need to introduce yourself.

Your name

short bio

today's data & use br for line break

Task 4: Add Comments for Readability

Goal: Learn HTML comments.

Instructions:

1. Use `<!-- ... -->` before each major section (e.g., Header, About, Footer).
2. Explain the purpose of that section in one line comment.

Task 5: Experiment with Attributes

Goal: Understand attributes like `lang` , `title` , and `style` .

Instructions:

1. Add `lang="en"` to your `<html>` tag.

2. Add a `title` attribute to one paragraph (hover to see it).
3. Use the `style` attribute to change text color inline.
4. output :

Welcome to My First Webpage

in this paragraph , u need to introduce yourself.

Your name

short bio

today's data & use `br` for line break

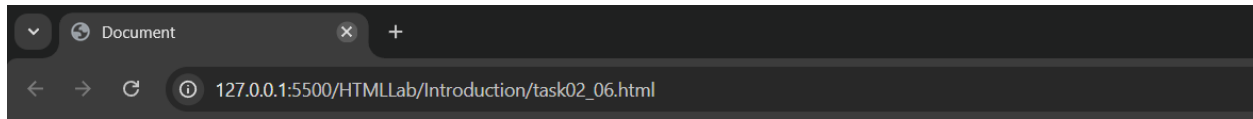
hover me : take the cursor on me

Task 6: Create a Multi-section Webpage

Goal: Organize content logically.

Instructions:

1. Add 3 sections: "About Me", "My Goals", "My Hobbies".
2. Use appropriate headings (`<h1>` – `<h3>`) for each.
3. Write short paragraphs under each.
4. Separate sections using `<hr>` tags.
5. Output :



about me

tell me about yourself in this paragraph

tell your goals in this paragraph

my goals

my hobbies

tell your hobbies in this paragraph

Task 7: Create a "Hello HTML" Structure

Goal: Reinforce structure + validation.

Instructions:

1. Create a new file named `hello.html`.
2. Include only minimal valid HTML (doctype, html, head, body).
3. Inside the body, write "Hello HTML Learner!".
4. Validate your file at <https://validator.w3.org/>.

5. output :

```
<!-- file should be hello.html -->
<!DOCTYPE html>
<html lang="en">
  <head> </head>
  <body>
    <h2>Hello HTML Learner!</h2>
  </body>
</html>
```

Task 8: Add Developer Information (Meta Tags)

Goal: Learn `<meta>` usage.

Instructions:

1. Add `<meta name="author" content="Your Name">` .
2. Add `<meta name="keywords" content="HTML, Beginner, Practice">` .
3. Add a short comment explaining what meta tags do.
4. output :

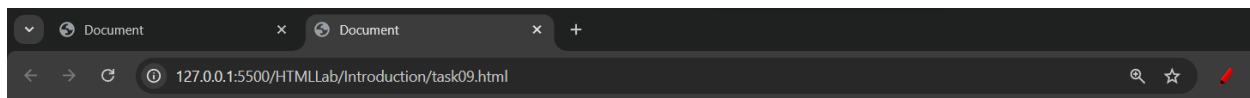
```
<!-- file should be hello.html -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport"
    content="width=device-width,
    initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <h2>Hello HTML Learner!</h2>
</body>
</html>
```

Task 9: Create a Simple "Under Construction" Page

Goal: Combine tags and attributes.

Instructions:

1. Create `construction.html`.
2. Add a big `<h1>` message "Website Under Construction 🚧".
3. Add a `<p>` note: "This page will be updated soon."
4. Change text color using the `style` attribute.
5. output :



Website Under Construction

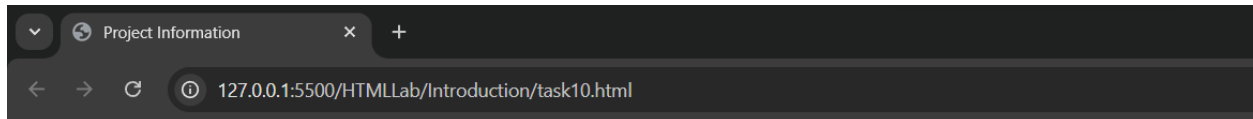
This page will be updated soon.

Task 10: Create a Documentation Template

Goal: Structure larger pages.

Instructions:

1. Create a file `project-info.html`.
2. Include a title, author info, version, and update date using `<p>` tags.
3. Add comments to mark sections like `<!-- Header -->`, `<!-- Info -->`, and `<!-- Footer -->`.
4. Save and open it in the browser to review structure.
5. output :



Project Documentation

Project Details

Title: My Awesome Web Project

Author: Gagan Baghel

Version: 1.0.0

Last Updated: November 5, 2025

© 2025 Gagan Baghel. All rights reserved.

Pro Tips for Students

- Always close your tags properly.
 - Use indentation for readability.
 - Add comments to explain your code.
 - Use online HTML validators regularly.
 - Save files with `.html` extension and test in a browser.
-