

# Topic 2 — Headings, Paragraphs & Text Formatting : by Gagan Baghel

## Concepts Covered:

`<h1>` , `<h2>` , `<h3>` , `<h4>` , `<h5>` , `<h6>` , `<p>` , `<b>` , `<i>` , `<u>` , `<strong>` , `<em>` , `<mark>` , `<small>` , `<sub>` , `<sup>` , `<br>` , `<hr>` , `<pre>`

## Learning Objective:

To understand text structure, hierarchy using headings, paragraph organization, and the use of various text formatting tags for emphasis, clarity, and readability.

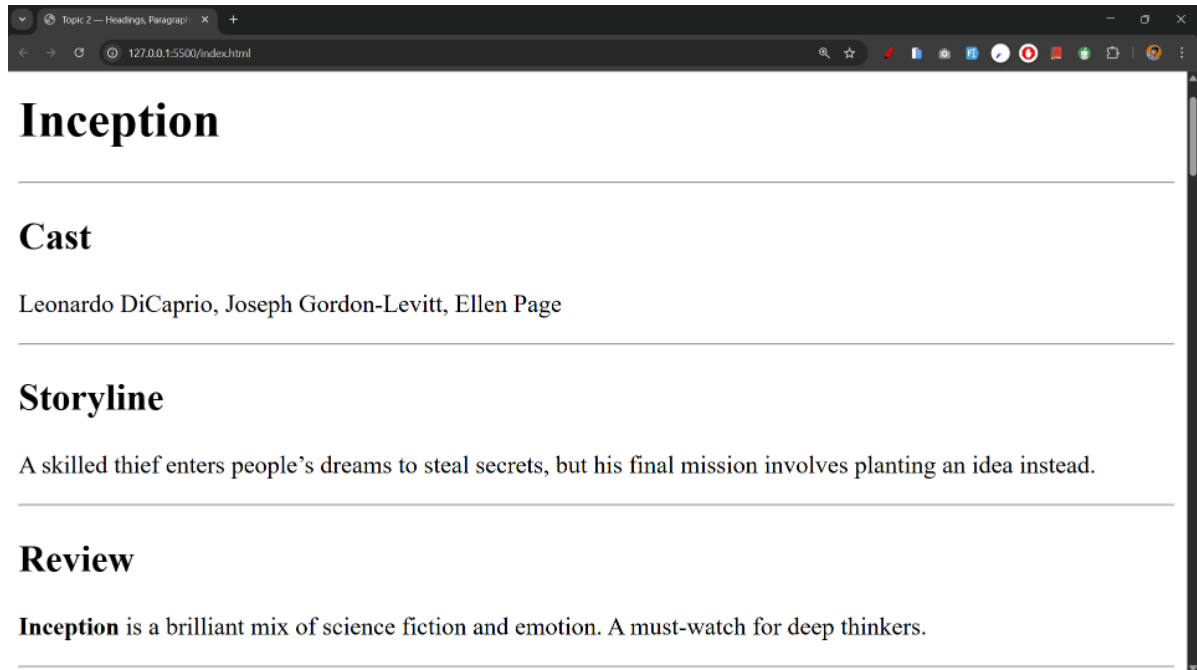
## Practice Tasks (10 Total)

### Task 1: Create a “My Favorite Movie” Webpage

**Goal:** Practice using headings and paragraphs.

#### Instructions:

1. Create a new file `movie.html` .
2. Use `<h1>` for the movie title.
3. Add subheadings ( `<h2>` , `<h3>` ) for “Cast”, “Storyline”, and “Review”.
4. Write short paragraphs under each section using `<p>` .
5. Separate each section using `<hr>` .
6. output :



## Task 2: Experiment with Heading Levels

**Goal:** Understand heading hierarchy.

**Instructions:**

1. Create a file `headings.html`.
2. Add all heading levels `<h1>` through `<h6>` with text like "Heading 1", "Heading 2", etc.
3. Observe the difference in font size and weight in your browser.
4. Add a comment explaining where each heading level should be used.
5. Output :

# Heading 1

## Heading 2

### Heading 3

#### Heading 4

##### Heading 5

###### Heading 6

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### Task 3: Create a Personal Introduction

**Goal:** Practice basic formatting tags.

**Instructions:**

1. Use `<h1>` for your name.
2. Add a paragraph introducing yourself using `<p>`.
3. Highlight your profession with `<strong>`.
4. Italicize your interests with `<em>`.
5. Underline your goals using `<u>`.
6. output :

# Gagan Baghel

Hello! I'm a **web developer** who loves building creative projects. My hobbies include *reading, design, and coding*. My goal is to become a full-stack developer.

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## Task 4: Create a Poem Page

**Goal:** Preserve text formatting using `<pre>`.

**Instructions:**

1. Create a file `poem.html`.
2. Add the title "My Poem" using `<h2>`.
3. Write a 4-line poem inside `<pre>` so spacing and line breaks are maintained.
4. Add a horizontal line `<hr>` below the poem.
5. output :

## My Poem

```
Rays of dawn touch my face,  
Dreams awaken, thoughts embrace,  
Hope begins its gentle chase,  
In life's endless, winding race.
```

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## Task 5: Create a Resume Summary

**Goal:** Combine line breaks and text emphasis.

### Instructions:

1. Add your name and role as `<h1>` and `<h2>` .
2. Add a "Summary" section using `<p>` .
3. Use `<br>` to create line breaks for contact info.
4. Bold your key skills using `<strong>` .
5. Add a `<hr>` to separate summary and contact info.
6. output :

# Gagan Baghel

## Front-End Developer

**Summary:** Passionate web developer with a focus on React and clean UI design.

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**Skills:** HTML, CSS, JavaScript, React

**Contact:** gagan@example.com

**Location:** India

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### Task 6: Science Notes — Subscript & Superscript

**Goal:** Learn `<sub>` and `<sup>` .

#### Instructions:

1. Create a file `science.html` .
2. Add a heading "Chemical & Mathematical Notes".
3. Write formulas like:
  - $\text{H}_{2}\text{O}$
  - $\text{CO}_{2}$
  - $E = mc^{2}$

4. Highlight equations with `<mark>` for clarity.
5. output :

**H<sub>2</sub>O** — Water

**CO<sub>2</sub>** — Carbon Dioxide

**E = mc<sup>2</sup>** — Einstein's Mass-Energy Relation

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## Task 7: Create an "Inspirational Quote" Page

**Goal:** Practice text alignment and emphasis.

**Instructions:**

1. Create a file `quotes.html`.
2. Add a heading "Daily Motivation".
3. Add a quote inside `<p>` (e.g., "Success is not final; failure is not fatal.").
4. Make author name small using `<small>`.
5. Bold important words like "Success" or "Failure" with `<strong>`.
6. output :

### Daily Motivation

**Success** is not final; **Failure** is not fatal. It is the courage to continue that counts.

— Winston Churchill

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## Task 8: Biography Page with Mixed Formatting

**Goal:** Use multiple formatting tags in one page.

**Instructions:**

1. Create `biography.html`.
2. Add `<h1>` for the person's name.
3. Use `<em>` for their famous quote.
4. Write a paragraph using `<b>`, `<i>`, `<u>` where appropriate.
5. Use `<br>` or `<hr>` to separate sections.
6. output :

## Steve Jobs

*"Innovation distinguishes between a leader and a follower."*

Steve Jobs was a **visionary** entrepreneur and *co-founder* of Apple Inc. He was known for his bold ideas and attention to detail.

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## Task 9: HTML Formatting Playground

**Goal:** Practice all formatting tags together.

**Instructions:**

1. Create a file `text-lab.html`.
2. In `<body>`, create a "Formatting Practice Zone".
3. Add examples using all of the following:
  - `<b>` VS `<strong>`
  - `<i>` VS `<em>`
  - `<u>`, `<mark>`, `<small>`, `<sub>`, `<sup>`
4. Comment next to each example explaining what it does.
5. output :

## Formatting Practice Zone

**Bold** — purely visual; **Strong** — adds importance.

*Italic* — for style; *Emphasized* — gives stress or meaning.

Underline — draws attention.

**Mark** — highlights text.

Small — shows less important text.

H<sub>2</sub>O (Subscript) and X<sup>2</sup> (Superscript) — for chemical or mathematical use.

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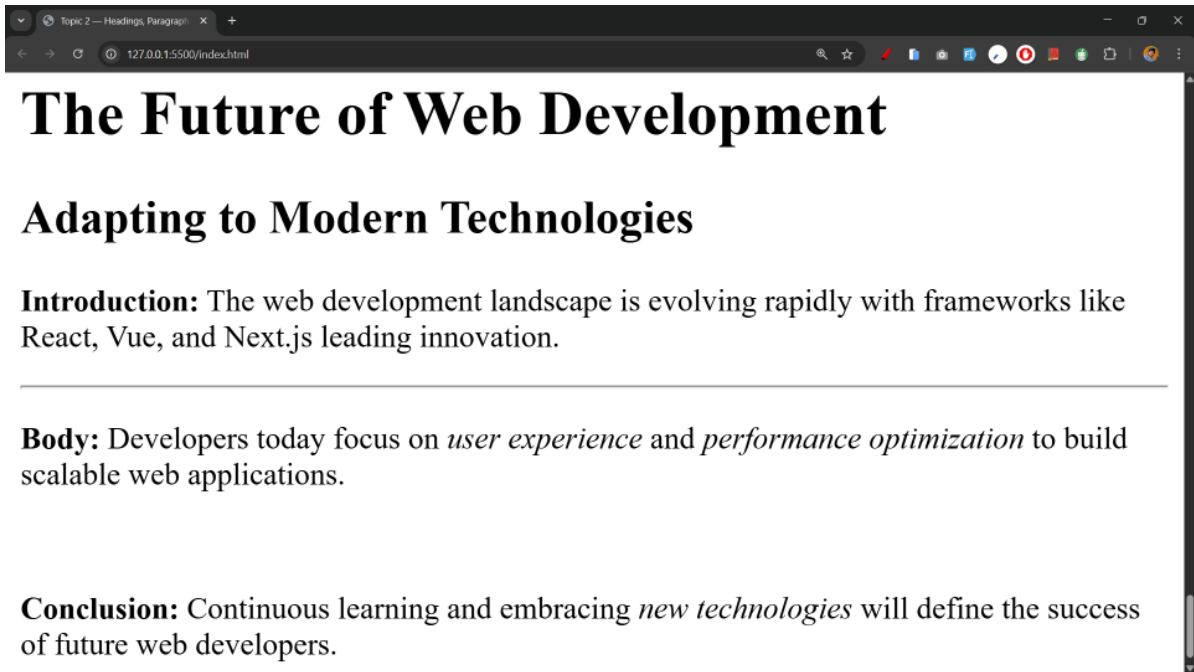
### Task 10: Create an Article Layout

**Goal:** Combine structure and typography.

**Instructions:**

1. Create `article.html` .
2. Add `<h1>` for article title and `<h2>` for subtitle.
3. Write 3 paragraphs: Introduction, Body, and Conclusion.
4. Emphasize key words with `<em>` and `<strong>` .
5. Use `<hr>` to separate sections and `<br>` for readability.
6. output :





### Pro Tips for Students

- Headings define structure — use them semantically (not for size).
- `<strong>` and `<em>` carry meaning; `<b>` and `<i>` are purely visual.
- Use `<br>` only for line breaks inside content, not for layout.
- `<pre>` preserves whitespace — great for poems or code blocks.
- Keep text readable and properly nested (no overlapping tags).