

# HTML Practice Assignments — Text Formatting, Tables, Semantics & DevTools

Instructor-style handout covering three progressive assignments. Solutions provided separately as a ZIP (HTML only, no CSS/JS).

## Assignment 1: HTML Text Formatting Practice

**Objective:** Apply different HTML text formatting tags for styling vs semantic meaning.

### Tasks:

- Create an HTML file named text-formatting.html.
- Use each tag at least once: `<b>`, `<strong>`, `<i>`, `<em>`, `<mark>`, `<small>`, `<del>`, `<ins>`, `<u>`, `<sub>`, `<sup>`.
- Write a short article (5–6 lines) that:
  - Includes deleted (`<del>`) and inserted (`<ins>`) text examples.
  - Shows a chemical formula and a math expression using `<sub>` and `<sup>`.
  - Uses `<strong>` and `<em>` for real emphasis (semantic meaning).
  - Highlights one phrase with `<mark>`.

## SAMPLE OUTPUT

# Assignment 1 — Text Formatting

## Required Tags Demo

This sentence uses **bold** for visual styling and **strong** to indicate important meaning. For italic, we can use *italic style* or *emphasized meaning*. Here is a highlighted phrase and a smaller piece of text.

Revision example: ~~Old content was incorrect~~ and new content has been added. Underline (visual only): underlined words.

Science and math: Water is H<sub>2</sub>O, and the area of a square is s<sup>2</sup>.

## Mini-Article

Learning HTML helps structure documents clearly. Use **semantic tags** to convey meaning, not just looks. Sometimes you may want to *emphasize a point* to guide readers. If you find an error, ~~keep it~~ fix it and move forward. Important reminders can be highlighted. Chemical formulas like CO<sub>2</sub> and math like x<sup>2</sup> are easy with sub/sup.

## Assignment 2: Table Design and Debugging Practice

**Objective:** Create a structured table and use Chrome DevTools to inspect and modify it.

### Tasks:

- Create an HTML file named student-report.html.
- Build a Student Report table using only HTML (no CSS/JS): <table>, <caption>, <thead>, <tbody>, <tfoot>, <tr>, <th>, <td>.
- Include at least 5 student rows with columns: Name, Class, Marks, Grade.
- Open Chrome DevTools → Elements tab: change one header text live and add one new row via 'Edit as HTML'.

Open Console tab and run `document.querySelector('table')` to confirm selection.\

### SAMPLE OUTPUT

## Assignment 2 — Student Report Table

Name	Class	Marks	Grade
Ali	10	85	A
Fatima	9	92	A+
Usman	10	74	B
Ayesha	8	88	A
Hamza	9	67	B
End of Report			

## DevTools Tasks (Perform Manually)

1. Open Chrome DevTools → Elements panel (Right-click → Inspect).
2. Change one header text directly in the Elements panel.
3. Add one more student row by editing the table HTML in DevTools.
4. Open Console and run: `document.querySelector('table')`