Here’s a problem statement tailored in the style of LeetCode or Codecademy, focusing on building a basic HTML structure and using semantic elements:

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## \*\*Problem Statement: Build a Basic Webpage with HTML\*\*

### \*\*Description\*\*

You are tasked with creating a basic HTML webpage that demonstrates your understanding of HTML structure, meta tags, and semantic elements. Your goal is to implement a well-structured HTML document that is semantically correct and suitable for modern web practices.

### \*\*Requirements\*\*

Your HTML document must meet the following criteria:

1. \*\*HTML Structure\*\*:

- Include a `DOCTYPE` declaration at the top of your document to specify that it is an HTML5 document.

- Use the `<html>` tag to encompass your entire document.

- Create a `<head>` section that contains:

- A `<title>` element for the page title.

- A `<meta>` tag for character encoding (set to UTF-8).

- A `<meta>` tag for viewport settings to ensure responsive design (e.g., `<meta name="viewport" content="width=device-width, initial-scale=1.0">`).

2. \*\*Semantic Elements\*\*:

- Use the following semantic HTML5 elements to structure your page:

- `<header>`: Should include a main heading (`<h1>`) for your webpage title.

- `<nav>`: Create a navigation menu with links to at least three sections of your page (these can be dummy links).

- `<section>`: Include at least two `<section>` elements, each with a subheading (`<h2>`) and descriptive text.

- `<article>`: Create an `<article>` element with a title (`<h2>`) and some content.

- `<footer>`: Add a footer that contains your name or copyright information.

3. \*\*Heading Levels\*\*:

- Use heading elements (`<h1>` to `<h6>`) appropriately throughout your document to demonstrate the hierarchical structure of your content.

### \*\*Input Format\*\*

You are to build a single HTML file named `index.html` that fulfills the above requirements.

### \*\*Output Format\*\*

Your output should be a valid HTML document that renders correctly in modern web browsers. The webpage must follow best practices for HTML structure and semantics.

### \*\*Constraints\*\*

- The HTML document must be valid and adhere to W3C standards.

- All required elements must be present, and semantic tags should be used correctly.

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This format presents the problem clearly, laying out the expectations and requirements in a way that is consistent with technical coding platforms.