

## Semantic Assignment

Q: What are the new things introduced in HTML5?

HTML5 introduced several new features and improvements over previous versions of HTML. Here are some of the key additions.

### 1) New Semantic Elements

HTML5 introduced new elements that improve the structure and readability of web pages:

- `<header>` - Defines a page or section header
- `<nav>` - Represents a section with navigation links.
- `<section>` - Defines a standalone section of content.
- `<article>` - Represents a self-contained piece of content.
- `<aside>` - Defines content aside from the main content (like a sidebar).
- `<footer>` - Defines a page or section footer.
- `<main>` - Represents the main content of the document.

### 2) New Form Element & Attributes

HTML5 improved forms with new input types & attributes.



Q:-2 what are semantic tags? Give a couple of eg.

It looks like you might be referring to semantic tags in HTML. Semantic tags are HTML element that convey the meaning of the content inside them, helping both browsers and developers understand the structure of a webpage.

Examples of Semantic tags :-

(1) `<article>` - Represents a self-contained piece of content, like a blog post or news article.

`<article>`

`<h2>Breaking News</h2>`

`<p>This is the latest news update...</p>`

`</article>`

(2) `<section>` - Defines a section in a document, typically with a heading.

`<section>`

`<h2>About Us</h2>`

`<p>we are a company dedicated to...</p>`

`</section>`

Other semantic tags include `<header>`, `<footer>`, `<nav>`, `<aside>`, & `<figure>`. These tags improve accessibility, SEO, and readability of the code.



list some uses of semantic tags?

Semantic tags in HTML helps define the meaning of web content, making it more readable for both browsers & developers. Here are some key uses:-

**Improve SEO** - Search engines better understand content structure, improving rankings.

**Better Accessibility** - Screen readers can navigate content more effectively.

**Enhance Readability** - Developers can easily understand & maintain code.

**Improve Browser Compatibility** - Browsers process structured content more efficiently.

**Easier styling with CSS** - Semantic elements provide clear hooks for styling.

**Better performance** - Helps browsers optimize rendering & resource loading.

**Standardized structure** - Encourages consistent & meaningful document structures.