

Semantics

Assignment

Assignment Answer

1. What are the new things introduced in HTML5

Ans:- HTML5 introduced several new features, including:

1. **Semantic Elements:** New tags like `<header>`, `<footer>`, `<article>`, and `<section>` for better structure.
2. **Audio & Video:** Native support with `<audio>` and `<video>` tags, eliminating the need for plugins.
3. **Canvas:** The `<canvas>` element for drawing graphics and animations via JavaScript.
4. **Local Storage:** Allows data to be stored on the client-side for offline use.
5. **Geolocation:** API to access the user's geographic

location.

6. Responsive Design: Enhanced with the `<meta>` viewport element and media queries.

These updates made web development more powerful and flexible.

2.What are semantic tags? Give a couple of examples

Ans:- Semantic tags in HTML5 are elements that clearly describe their meaning in a human- and machine-readable way. They improve the structure and accessibility of web pages.

Examples:

- **`<article>`**: Represents a self-contained piece of content that could stand alone.
- **`<nav>`**: Defines a block of navigation links.

These tags help search engines and screen readers better understand the content.

3.List some uses of semantic tags.

Ans:- Semantic tags in HTML5 are used to:

- 1. Improve SEO: Search engines better understand and rank content.**
- 2. Enhance Accessibility: Screen readers can navigate**

and interpret content more effectively.

3. Provide Clear Structure: They organize content logically, making code easier to read and maintain.

4. Facilitate Consistent Styling: They allow for more targeted CSS styling.

These uses lead to better user experience and more maintainable code.

