

# SemanticsA

## ssignment

### Assignment

#### **1. What are the new things introduced in HTML5?**

Semantic elements include headers, footers, and articles.

New input types include `<input type="date">`, `<input type="email">`, etc.

Audio and video elements include `<audio>` and `<video>` tags.

Canvas is a JavaScript-based graphical drawing tool.

localStorage is used to store data on the client side.

WebSockets enable real-time communication between clients and servers.

Web Workers: Multithreading in web applications.

Geolocation API: Get the user's location.

Examples of responsive pictures include `<photo>` and `<source>`.

Form validation is built-in on the client-side.

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

Semantic tags add significance to the information they encapsulate, resulting in improved page structure and SEO. Examples include:

1 `<article>`: Identifies a standalone piece of material.

2 The `<nav>` tag defines a navigation menu.

## **3. List some uses of semantic tags.**

1 Better Structure: Semantic tags enhance page structure and readability.

2 Accessibility: Assists screen readers and assistive technology in understanding material.

3 SEO: Search engines may prioritise content with semantic tags.

4 Styling Hooks: Make it easier to style and target specific content with CSS.

5 Responsive Design: helps to create more responsive web layouts.

Full Stack Web Development