Feature	HTML	XML
Full form	Hypertext Markup Language	eXtensible Markup Language
Purpose	Designed for structuring and presenting content on the web	Designed as a general-purpose markup language for representing structured data
Tags	Contains predefined tags that define the structure and presentation of web content	Does not have predefined tags and allows for the creation of custom tags
Document Type	HTML documents have a specific predefined structure	XML documents have a flexible structure defined by the user or a document type definition (DTD)
Data Validation	Does not typically perform strict data validation	Can perform strict data validation using DTD or XML Schema
Extensibility	Limited extensibility, primarily designed for web content	Highly extensible and customizable, suitable for various data representation needs
Presentation Focus	Focuses on the visual presentation and layout of content	Focuses on the structure and organization of data
Data Interchange	Not primarily intended for data interchange, but can be used for simple data exchange	Well-suited for data interchange between different systems and platforms
Semantics	HTML tags have predefined meanings and semantic roles	XML does not inherently define semantic meanings for tags
Browser Rendering	Rendered by web browsers to display web pages visually	Not rendered directly by web browsers; requires additional processing for visualization

Feature	HTML	XML
Popularity	Widely used for building web pages and web applications	Used for a variety of purposes including data exchange, configuration files, and data representation

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