

Q. 1 What is webpage? Why is webpage designing important these days?

=> A webpage is a document that is suitable for the World Wide Web and web browsers. It is typically written in HTML (HyperText Markup Language) and may also include other elements such as CSS (Cascading Style Sheets) for styling and JavaScript for interactivity.

Importance of Webpage Designing:

1. **First Impression:** A well-designed webpage creates a positive first impression on visitors, encouraging them to stay longer and explore the content.
2. **User Experience:** Good webpage design enhances the user experience by making navigation easy, content accessible, and interactions intuitive.
3. **Brand Representation:** Webpage design reflects a brand's identity and values, helping to establish a strong brand presence and identity online.
4. **Mobile Compatibility:** With the increasing use of mobile devices, webpage design that is responsive and mobile-friendly is crucial for reaching a wider audience.
5. **SEO (Search Engine Optimization):** Proper webpage design can improve SEO by optimizing content for search engines, making it easier for users to find the website through search queries.

In essence, webpage designing is important because it not only creates visually appealing and functional websites but also contributes to a positive user experience, brand representation, and online visibility.

Q. 2. Describe the role of HTML for creative attractive web pages with it's features.

Role of HTML in Creating Attractive Web Pages:

- a. **Structure:** HTML (HyperText Markup Language) provides the basic structure for web pages, defining the layout and arrangement of content elements.
- b. **Content Organization:** It allows for the organization of content into headings, paragraphs, lists, and other semantic elements, making the page structure clear and logical.
- c. **Hyperlinking:** HTML enables the creation of hyperlinks, allowing users to navigate between different pages within a website or to external resources on the web.
- d. **Multimedia Integration:** HTML supports the embedding of multimedia elements such as images, videos, and audio files, enhancing the visual appeal and interactivity of web pages.
- e. **Accessibility:** Proper use of HTML elements and attributes helps in creating accessible web pages that can be easily navigated and understood by users with disabilities.

- f. **Responsive Design:** HTML5 introduces new features that support responsive web design, allowing web pages to adapt and display appropriately on various devices and screen sizes.
- g. **SEO (Search Engine Optimization):** HTML provides semantic markup that can be used to optimize web pages for search engines, improving their visibility and ranking in search results.
- h. **Compatibility:** HTML is a standard markup language supported by all modern web browsers, ensuring that web pages created with HTML can be accessed and viewed by a wide range of users.

In summary, HTML plays a crucial role in creating attractive web pages by providing the foundation for structuring content, integrating multimedia, supporting accessibility and responsive design, and optimizing pages for search engines.

Q. 3. Discuss the types of HTML tags and attributes with their rules to follow.

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