

- Q1. Explain the CSS Box Model and how it influences the layout and visual presentation of elements on a web page.
- Q2. What is a combo box and how does it improve user experience in a graphical user interface?
- Q3. Explain the role of Python in web development, differentiating between its use in front-end and back-end processes. Provide examples of how Python contributes to key functionalities of a web application.
- Q4. Compare and contrast XML with HTML. How do they differ in terms of their structure, syntax, and usage?
- Q5. Difference between iframe and frame.
- Q6. What is XML. Discuss its structure with an example.
- Q7. Explain various tags associated with form with an example.
- Q8. What is CSS Selector grouping? Explain with example.
- Q9. Describe cascading order in CSS.
- Q10. What is an XML schema (XSD)? How does it differ from a DTD, and what are the benefits of using schemas?
- Q11. Describe the role of XPath in navigating and extracting data from XML documents. Give example of XPath Query.
- Q12. What is XSLT? How is it used to transform XML documents into other formats, such as HTML.
- Q13. Explain the difference between block-level and inline elements in HTML.
- Q14. How do you create a form in HTML that allows users to submit data to a web server? Explain the roles of different form elements and attributes.
- Q15. What are the ways for inserting CSS to your webpage and explain the concept of cascading order ?
- Q16. Design a form by explaining html elements like text boxes, checkboxes , combo boxes,reset and email button.
- Q17. why is XML used and what are the differences between xml and html?
- Q18. Explain the 5 essential elements of an HTML page structure. Write a code example that demonstrates these elements within the structure of an HTML page.

Q19. Differentiate between HTML tags and HTML Elements. List and explain the 4 core HTML attributes.

Q20. Write a code snippet to add an image to the web page and a link to some external web page. What is the difference between the image tag's "src" attribute and the anchor tag's "href" attribute?

Q21. What do you understand by cascading styles in CSS? Explain the different cases through appropriate code snippets.

Q22. I. Why do we use HTML Forms?

II. Create an HTML form for a simple event registration page. The form should collect the following information from the user:

1. Name (text input, required)
2. Email Address (email input, required)
3. Phone Number (number input, optional)
4. Event Type (dropdown with options: "Workshop", "Conference", "Webinar")
5. Do you need accommodation? (radio buttons: Yes, No)
6. Any dietary restrictions? (textarea, optional)
7. Agree to terms and conditions (checkbox, required)
8. Submit button

Q23. I. What are image maps? Write a code snippet to create an image map.

II. Write a code which embeds audio and a youtube video in the HTML page and

also mention the various controls which can be added to the audios and youtube videos.

Q24. I. Why do we use CSS? Write its syntax and explain using example.

II. Explain the 3 ways of inserting CSS by writing appropriate code snippets for each way.

Q25. I. What are selectors in CSS?

II. Explain id, class, element, universal & grouping selectors in CSS using examples.