# Assignment 1

1. Which HTML attribute is used to specify the alternative text for an image?
Answer: alt

2. What CSS technique can be used to implement image sprites?
Answer: background-position

3. How can you describe the instructor's experience in software engineering and full-stack development?
Answer: Diverse and extensive

4. What CSS property would you use to control the sizing and spacing around an HTML element without affecting its dimensions?
Answer: margin

5. Which CSS property is used to change the text color of an element?
Answer: color

6. In CSS, which selector would you use to style a specific part of an element's content before it?
Answer: Using the ::before pseudo-element

7. How would you select the immediate sibling of an element using CSS?
Answer: The adjacent sibling selector ( + )

8. Angular is a popular framework for building web applications. What is a primary feature of Angular?
Answer: Two-way data binding

9. Which CSS property allows you to specify how an image should be resized to fit its container?
Answer: object-fit

10. Which of the following is a fundamental aspect of JavaScript programming for frontend development?
Answer: Event-driven programming

11. Which selector would you use to style all tags inside a with a class of 'container'?
Answer: .container p

12. What is the unit used in CSS to represent relative lengths based on the font size of the root element?
Answer: REM

13. Which input type should you use for a field that requires the user's email address?
Answer:

14. What is the primary purpose of semantic HTML tags?
Answer: To define the meaning and purpose of web page elements

15. What is the primary purpose of HTML in web development?
Answer: Creating structured content

16. How can you add shadows to an image using CSS?
Answer: box-shadow

17. Which CSS property would you apply to collapse borders between table cells?
Answer: border-collapse

18. Which of the following is considered a best practice in CSS web development?
Answer: Organizing CSS rules in a consistent and logical order

19. Which CSS property is used to adjust the space between letters in a text?
Answer: letter-spacing

20. Which type of CSS selector is used to target all elements with a specific class attribute?
Answer: Class selector ( . )