HTML & CSS Questions

1. What is difference between Tag and Element in HTML?
   - Element: The entire structure including the start tag, content, and end tag.
   - Tag: Refers specifically to the start tag, end tag, or both together.
   - Example
     - Tag: <h1></h1>
     - Element: <h1>Hello World</h1>

2. Which are void elements in HTML?
   - Elements without the body are known as void elements
   - Example
     - img
     - br
     - hr
     - input
     - meta
     - link

3. What is semantic code in HTML?
   - Semantic code in HTML refers to using elements like <header>, <nav>, <article>, <section>, <aside>, <footer> that convey the meaning and structure of the content.

4. What is the difference between pseudo class and pseudo elements in CSS?
   - Pseudo-classes target and style specific states or conditions of elements (e.g., :hover, :active).
   - Pseudo-elements style and target specific parts of an element (e.g., ::before, ::after), allowing for more fine-grained control over content.

5. Where in an HTML document is the correct place to refer to an external style sheet?
   - The <link> tag inside <head> section

6. Which HTML tag is used to define an internal style sheet?
   - <style> is used to define internal style sheet

7. Which HTML attribute is used to define inline styles?
   - style attributes of elements are used to define inline styles

8. How do you insert a comment in a CSS file?
   - CSS comment looks like this /* this is css comment */

9. Which property is used to change the background color?
   - Background-color property is used to change background color

10. How do you add a background color for all <h1> elements?
    - h1{ background-color: red }

11. Which CSS property controls the text size?
    - font-size property controls the text size

12. How do you display hyperlinks without an underline?
    - google
    - a{ text-decoration: none; }

13. How do you make each word in a text start with a capital letter?
    - text-transform: capitalize

14. How do you display a border like this:
    The top border = 10 pixels
    The dotted bottom border = 5 pixels
    The dashed left border = 20 pixels
    The right border = 1pixel?

    - border-width: 10px 1px 5px 20px;
    - border-style: 1 px solid black;

15. When using the padding property; are you allowed to use negative values?
    - No, negative values are not allowed

16. How do you group selectors?
    - Separate selectors with comma.
    - Example
      - h1, h2, h3 { color: red; }

17. What is the default value of the position property?
    - Default value of position property is static

18. How you can define pseudo element?
   - We can define pseudo elements using '::'
   - Example
     - ::before

19. What is box model?
   - The box model is the layout concept in CSS that represents elements as rectangular boxes with content, padding, border, and margin.

20. What is flex model?
   - The Flexbox model is a layout model in CSS that allows the design of flexible and efficient layouts where elements can dynamically adjust their size and alignment within a container.