**HTML & CSS Test**

1. **What is <!DOCTYPE html> and write an example ?**

The <!DOCTYPE html> declaration is an instruction to the web browser about what version of HTML the page is written in. It helps the browser render the page correctly. The declaration is not an HTML tag but rather a declaration that defines the document type.

In HTML5, the declaration is simplified to just <!DOCTYPE html>, which tells the browser that the document is an HTML5 document. This is important because different versions of HTML may have different rules for rendering elements.

**Example:**

html

Copy code

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Example Page</title>

</head>

<body>

<h1>Hello, World!</h1>

<p>This is a simple HTML5 document.</p>

</body>

</html>

In this example, the <!DOCTYPE html> declaration appears at the top, followed by the rest of the HTML structure.

The <!DOCTYPE> declaration is essential in HTML as it informs the web browser about the version of HTML being used, ensuring proper rendering of the page. Different versions of HTML have different doctype declarations.

**Common Doctype Declarations:**

1. **HTML5:**

html

Copy code

<!DOCTYPE html>

This declaration is simple and is used for HTML5 documents. It ensures that the document is interpreted in standards mode.

1. **HTML 4.01 Transitional:**

html

Copy code

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

This declaration allows the use of deprecated elements and is suitable for documents that may still use older HTML features.

1. **HTML 4.01 Strict:**

html

Copy code

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Strict//EN" "http://www.w3.org/TR/html4/strict.dtd">

This is a stricter version that does not allow deprecated elements. It’s used for more modern web pages that adhere closely to standards.

1. **XHTML 1.0 Transitional:**

html

Copy code

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

This doctype is used for XHTML documents that are more lenient, allowing some deprecated elements.

1. **XHTML 1.0 Strict:**

html

Copy code

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">

Similar to HTML 4.01 Strict, this doctype does not allow deprecated elements and ensures strict adherence to XHTML standards.

**Example of HTML5 Declaration:**

html

Copy code

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Example Page</title>

</head>

<body>

<h1>Hello, World!</h1>

<p>This is a simple HTML5 document.</p>

</body>

</html>

In this example, the <!DOCTYPE html> declaration specifies that the document is an HTML5 document, ensuring the browser interprets it correctly.

1. **What is the HTML layout structure?**
2. **What is Element and Tag and Element\_Name and write an example ?**
3. **What is an Attribute and write an example ?**
4. **What difference b/w DIV and SPAN tag and write an example ?**
5. **What is Image Tag and Example (write 2 attributes with tag) ?**
6. **What is Anchor Tag and Example (write 2 attributes with tag) ?**
7. **What is Class and ID in HTML and write examples ?**
8. **What are Semantic Elements and write an example ?**
9. **What is HTML5 Advantage and write examples ?**
10. **What is <ul> and <ol> and <li> and write examples(with type and start attribute) ?**
11. **What are Block level elements and write examples ?**
12. **What are Inline elements and write an example ?**
13. **What are void elements in HTML and write examples?**
14. **If I write Text Content in the body it will display in Browser or Not ? Why are we using Elements and Tags in HTML ?**

**—-------------------------------------------------------------------**

**16)What are different types of Selectors in CSS and write examples?**

**17)What is the BOX model in CSS and a write Diagram?**

**18)What is the difference b/w Inline style and Internal Style and external Style and writing example ?**

**19)What is Pseudo Element and Pseudo Class and write examples?**

**20)Explain CSS all position property and examples ?**

**21)Why do we use @media properties in CSS?**

**22)Write all types of properties in CSS FLEX ?**

**23)Which properties do we use to display TEXT in the centre of the page?**

**24)Which property do we use for Square BOX and Circle shape in CSS ?**

**25)what is the difference b/w “Display:None” and “visibility:Hidden” property in CSS?**

**JavaScript**

1. **Data Types (primitive & Reference type) and what difference variables (var,let,const) ?**
2. **Function Types and Examples? (Normal,Anonymous, IIFE function)**
3. **Arrow Function and Example?**
4. **What is Hoisting ? how to work in Var,let,Const Hoisting?**
5. **Array Methods (map, filter, forEach, pop, unshift, shift, push,...)**
6. **String Methods (CharAt, Char, split, splice, slice,join,toString,...)**
7. **What is Promise ? and what is Async/await ?**
8. **What is Closer Function, Curing Function?**
9. **What is Higher Order Function?**
10. **What is Callback? Callback hell?**
11. **Explain Event Loop and call Stack and Q Line to execute?**
12. **Unique Numbers Find in Array?**
13. **String sentence Reverse and string word reverse?**
14. **Which purpose is used onClick, onChange,onMouse events?**
15. **How to change HTML text using Javascript? (document.getElementById, getElementByClass, querySelector**