1. **What do you understand by web programming ?**
Ans:- Web programming is the creation of websites and web applications. It involves writing code to make interactive and functional web pages that you can access through a web browser. This includes using languages like HTML, CSS, and JavaScript for the visible parts of the website, and other languages like PHP or Python for behind-the-scenes tasks.

2. **What is HTML ?**
Ans:- HTML stands for Hyper Text Markup Language . It is a language of WWW. It is used to create web pages and web application . it makes the text interactive and dynamic.

3. **What is HTML basic elements ?**
Ans:- **<DOCTYPE! html>** – A doctype or document type declaration is an instruction that tells the web browser about the markup language in which the current page is written.
<html> – It is used to define the root element of an HTML document. This tag tells the browser that it is an HTML document.
<head> – This tag is used to define the head portion of the HTML document. It contains information related to the document.
<body> – It is used to enclose all visible content of a webpage. In other words, the body content is what the browser will show on the front end.

4. **Why HTML ?**

Ans:- HTML is used to create the structure of web pages and website that are displayed on the Internet. It basically contains Tags and Attributes that are used to design the web pages. Also, we can link multiple pages using Hyperlinks.

5. **Features of HTML ?**

- Ans:- It is easy to learn and easy to use.
- It is platform-independent.
- Images, videos, and audio can be added to a web page.
- Hypertext can be added to the text.
- It is a markup language.

6. **What is Tag ?**
Ans:- HTML tags are simple instructions that tell a web browser how to format text. You can use tags to format italics, line breaks, objects, bullet points, and more.

7. **What is marquee tag ?**
Ans:- Marquee is used to put the scrolling text on a web page. You should put the text which you want to scroll within the <marquee>......</marquee> tag.

8. **Explain paragraph tag ?**
Ans:- The <p> tags help us to write paragraph statements on a webpage. They start with the **<p>** tag and ends with **</p>**.

9. **What is break tag
 ?**
Ans:- The <br> tags is used to insert a single line break. It does not have any closing tag. In HTML, the break tag is written as **
.**

10. **What is horizontal tag ?**
Ans:- The <hr> tag is used to break the page into various parts, creating horizontal margins with help of a horizontal line running from the left to right-hand side of the page.

11. What is use of Heading Tag ?

Ans:- The HTML Heading tag helps us to give headings to the content of a webpage. These tags are mainly written inside the body tag. HTML provides six heading tags from **<h1>** to **<h6>**. Every tag displays the heading in a different font size.

12. What is bold tag ?

Ans:- This tag will format any text between the opening tag and the closing tag as bold.

13. Which tag is used to crate hyperlink ?

Ans:- Anchor tag ex. <a>

14. How many tags can be used to separate section of texts?

Ans:- There are three tags used to separate the texts. i.e. usually <br> tag is used to separate line of texts. Other tags are<p> tag and <blockquote> tag.

15. What is button tag?

Ans:- The button tag is used in HTML 5. It is used to create a clickable button within HTML form on the web page. It is generally used to create a "submit" or "reset" button.

16. What is italic tag ?

Ans:- This tag will format any text between the opening <i> tag and the closing </i> tag as italic.

17. What is use of underline tag ?

Ans:- This tag will format any text between the opening <u> tag and the closing </u> tag as underlined.

18. How Do Web Pages Read HTML Tags?

Ans:- Servers read HTML code to understand and render content. It will read the HTML from top to bottom, much like how you're reading this guide.

19. What is HTML Elements ?

Ans:- An **HTML element** is a collection of start and end tags with the content inserted in between them. Syntex :- `<tagname >
Contents... </tagname>`

20. What are empty elements ?

Ans:- HTML elements with no content are called empty elements. For example: <br>, <hr> etc.

21. What is HTML text formatting ?

Ans:- **HTML Text Formatting** provides various tags for text formatting to enhance the visual presentation of content on a webpage. You can make your text bold, italic, etc. by using some HTML tags.

22. What's the Difference Between Attributes and HTML Tags?

Ans:- An HTML element is an item on the page; it's part of the web page's content. An HTML tag affects how an HTML element appears. An HTML attribute describes the characteristics of that element.

23. What is Hypertext and Hyperlink ?

Ans:- HyperText is a document containing words that connect to other documents. While Hyperlink is a reference to data that the reader can directly follow by clicking or by hovering.

24. What is a webpage ?

Ans:- A web page is a document, commonly written in HTML, that is viewed in an Internet browser.

A web page can be accessed by entering a URL address into a browser's address bar.

25. What is a Website ?

Ans:-website is a resource of information that is suitable for the World Wide Web and can be accessed through a web browser. usually in HTML or XHTML format.

26. Difference between homepage and landing page?

Ans:- A home page (also written as homepage) is the main web page of a website. also known as the start page.
A landing page is the page a visitor arrives at on your website after clicking an ad (for example, a Google text ad or display ad).

27. What is Web address ?

Ans:- A Web address, or domain name, is an address where you can be found online. It's how you'll express yourself through email or your website and it's what customers think of when trying to find you.

28. What is WWW ?

Ans:- An open-source information space where documents and other web resources are identified by URLs, interlinked by hypertext links, and can be accessed via the internet.

29. What is TCP/IP and Advantage of it ?

Ans:- TCP/IP, which stands for Transmission Control Protocol/Internet Protocol, is a set of communication protocols used for connecting and transmitting data between devices on a network, particularly the Internet

30. What is image map in HTML ?

Ans:- Image map facilitates you link many different web pages using a single image. You can define shapes in images that you want to make part of an image mapping. it is used to link multiple pages from a single image. <map> is used for this .

31. What is semantic HTML?

Ans:- Semantic HTML is a coding style. It is the use of HTML markup to reinforce the semantics or meaning of the content. For example: In semantic HTML   tag is not used for bold statement as well as <i> </i> tag is used for italic. Instead of these we use and tags.

32. How to insert a copyright symbol on a browser page?

Ans:- can insert a copyright symbol by using © or © in an HTML file.

33. What is CSS ?

Ans:- CSS (Cascading Style Sheets) is used to style web pages. The reason for using this is to simplify the process of making web pages presentable. It allows you to apply styles on web pages. More importantly, it enables you to do this independently of the HTML that makes up each web page.

34. In HTML What is type of CSS ?

Ans:- **1. Inline CSS:** we can apply styles directly to individual HTML elements using the 'style' attribute.
2. Internal (or Embedded) CSS: You can include CSS styles within a <style> element in the <head> section of your HTML document.
3. External CSS: You can link an external CSS file to your HTML document using the <link> element in the <head> section.

35. What is use of CSS ?

Ans:- CSS (Cascading Style Sheets) is used to make your web pages look good and visually appealing. It allows you to control the layout, colors, fonts, and overall style of your HTML elements.

36. What is a style sheet?

Ans:- A style sheet is used to build a consistent, transportable, and well designed style template. You can add these templates on several different web pages.

37. What is the use of iframe tag?

Ans:- An iframe is used to display a web page within a web page.
Syntax: <iframe src="URL"></iframe>

38. What is SVG?

Ans:- HTML SVG is used to describe the two dimensional vector and vector/raster graphics.

39. What is the difference between progress and meter tag?

Ans:- The progress tag is used to represent the progress of the task only while the meter tag is used to measure data within a given range.

40. What is JavaScript?

Ans:- JavaScript is a scripting language. It is different from Java language. It is object-based, lightweight and cross platform. It is widely used for client side validation.

41. How to write a hello world example of JavaScript?

Ans:- A simple example of JavaScript hello world is given below. You need to place it inside the body tag of html. <script type="text/javascript">ja
document.write("JavaScript Hello World!");
</script>

42. What is DOM? What is the use of document object?

Ans:- DOM stands for Document Object Model. A document object represent the html document. It can be used to access and change the content of html.

43. What is use of alt attribute in <img> ?

Ans:- The "alt" attribute in the <img> (image) tag is used to provide alternative text for an image. This text is displayed if the image cannot be loaded or if the user is using a screen reader.

44. What is cellspacing in html ?

Ans:- The "cellspacing" attribute in HTML is used in the <table> element to define the space between the cells (or table data cells) within the table.

45. What is type casting ?

Ans:- The conversion of one data type into another data type .
Ex. Conversion number into str.

46. Condition in javascript ?

Ans:- In JavaScript, conditionals are used to make decisions in your code based on whether a certain condition is true or false. The most common form of a conditional statement is the "if statement."

47. What is use of web server ? give name of web server .

Ans:- A web server is a software application or hardware device that stores, processes, and serves web pages to users or clients over the Internet. Web server- Apache HTTP Server (Apache) , Microsoft Internet Information Services (IIS)

48. Main difference between pre and P tag ?

Ans:- `<pre>` (Preformatted): Preserves spacing and line breaks, often used for displaying code.

`<p>` (Paragraph): Ignores extra spaces and collapses line breaks, used for regular text paragraphs.

49. Types of list ?

Ans :- there are three main types of lists: ordered lists, unordered lists, and definition lists.

1. **Ordered List (`<ol>`), 2.Unordered List (`<ul>`), Definition List (`<dl>`)**

50. Explain looping and condition statement ?

Ans:- Looping: Purpose: Executing a block of code repeatedly.

Conditional statements with the proper comparison and boolean operators allow the creation of alternate execution paths in the code. Loops allow repeated execution of the same set of statements on all the objects within a sequence.

51. फोरम टैग बनाते वक्त कोन कोन से टैग प्रयोग करते है ?

Ans :- **`<form>` , `<input>`,`<label>`, `<button>` ,select**

52. What is use of dilox box in js ?

Ans:- **`alert(), prompt(),confirm()`**

53. What is jQuery and and its use ?

Ans:- jQuery is a lightweight, JavaScript library. The purpose of jQuery is to make it much easier to use JavaScript on your website

Key Features and Uses of jQuery:

1. DOM Manipulation 2. Event Handling: 3. AJAX (Asynchronous JavaScript and XML):

54. Different between Div and span tag ?

Ans:- Span is a inline tag and div tag is a block tag .

55. What are the different data types present in javascript?
Ans:- **1. Primitive types :- String , Number , Boolean, Undefined, Null , Symbol**
2. Non-primitive types:- a. Primitive data types can store only a single value. To store multiple and complex values, non-primitive data types are used.
b. Object - Used to store collection of data.

56. Difference between " == " and " === " operators.
Ans:- Both are comparison operators. The difference between both the operators is that "==" is used to compare values whereas, " === " is used to compare both values and types.

57. Difference between var and let keyword in javascript.
Ans:- var: Has a function-level scope and can be redeclared within the same scope. It's older and has some quirks.
javascript
let: Has a block-level scope and cannot be redeclared within the same scope. It's the preferred choice for variable declaration in modern JavaScript.

HTML Page Structure

```
<!DOCTYPE html>          ←———————— Tells version of HTML
<html>                   ←———————— HTML Root Element

<head>                   ←———————— Used to contain  page HTML metadata
  <title>Page Title</title>  ←————————Title of HTML page
</head>

<body>                   ←———————— Hold content of HTML
  <h2>Heading Content</h2>  ←———————— HTML headling tag
  <p>Paragraph Content</p>  ←———————— HTML paragraph tag
</body>

</html>
```