ASSIGNMENT - 1

TASK-1

The Important Tags in HTML:

1. Basic Structure Tags:
<html> → Defines the root of an HTML document
<head> → Contains metadata (not shown on page)
<title> → Sets the title of the page (appears on browser tab)
<body> → Holds all the visible content

2. Headings and Text
<h1> to <h6> → Headings (H1 = largest, H6 = smallest)
<p> → Paragraph

 → Line break
<hr> → Horizontal line (divider)
<strong> → Bold text (important)
<em> → Italic text (emphasis)
<span> → Inline container for styling

3. Links and Media
<a> → Anchor tag (hyperlink)
<img> → Image
<video> → Video embed
<audio> → Audio embed
<iframe> → Embed another page (like YouTube videos or Google Maps)

4. Lists
 → Unordered list (bullets)
 → Ordered list (numbers)
 → List item

5. Tables
<table> → Defines a table
<tr> → Table row
<td> → Table data (cell)
<th> → Table header cell
<thead>, <tbody>, <tfoot> → Table sections

6. Forms (User Input)
<form> → Form container
<input> → Input field (text, password, checkbox, radio, etc.)
<textarea> → Multi-line input box
<button> → Button

<select> → Dropdown list
<option> → Options inside dropdown
<label> → Label for form fields

7. Semantic HTML5 Tags (important for SEO & structure)
<header> → Page or section header
<nav> → Navigation menu
<main> → Main content
<section> → Section of content
<article> → Independent piece of content (like blog post)
<aside> → Sidebar content
<footer> → Footer section

TASK-2

Why do we not give all the content in the head tag but in the body tag?

<head>
- It holds information about the webpage, not the actual content the user sees.
- This includes metadata (like title, charset, SEO keywords, links to CSS/JS, etc.).
Example:
<head>
  <title>My Website</title>
  <meta charset="UTF-8">
  <link rel="stylesheet" href="style.css">
  <script src="app.js"></script>
</head>

<body>
- It holds the actual content that appears on the webpage.
- This includes text, images, links, videos, buttons, forms, etc.
Example:
<body>
  <h1>Welcome to My Website</h1>
  <p>This is visible content.</p>
  <img src="photo.jpg" alt="Sample Image">
</body>

 Why Not Put Content Inside <head>?
- The browser ignores displayable content inside <head> (except <title>).
- If you put <h1>, <p>, <img>, etc. inside <head>, they won't render properly or may cause
unexpected behaviour.
<head> is like the control room (instructions for the browser).
<body> is the stage (everything shown to the user).

TASK-3

The interview questions were asked about today's topic:
1. What is HTML?
2 . Why is HTML called a markup language?
3. Difference between HTML and XHTML?
4. What are the advantages of using HTML?
5. Is HTML a programming language? Why or why not?
6. What is the difference between the HTML4 and HTML5 doctype?
7 . What is the purpose of the <html> tag?
8. What is the difference between <head> and <body>?
9. What types of information go inside <head>?
10. What will happen if we put content inside <head> instead of <body>?
11 . What is the root element in an HTML document?
12 . Can we have more than one root element in HTML? Why or why not?
13. What are parent and child elements in HTML?
14. Give an example of a parent-child relationship in HTML.
15 . Can an element have multiple child elements? Give an example.
16. What is the difference between nested elements and child elements?
17.Can <body> be a child of <head>? Why or why not?