PROSENSIA SMC-PVT LTD
HTML Beginner's Concept Report
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Introduction to HTML :

- HTML stands for Hyper Text Markup Language
- HTML is the standard markup language for creating Web pages
- HTML describes the structure of a Web page
- HTML consists of a series of elements
- HTML elements tell the browser how to display the content
- HTML elements label pieces of content such as "this is a heading", "this is a paragraph", "this is a link", etc.

EXAMPLE :

```
<!DOCTYPE html>
<html>
<head>
<title>Page Title</title>
</head>
<body>

<h1>My First Heading</h1>
<p>My first paragraph.</p>

</body>
</html>
```

My First Heading

My first paragraph.

The <!DOCTYPE> Declaration :

The <!DOCTYPE> declaration represents the document type, and helps browsers to display web pages correctly.It must only appear once, at the top of the page (before any HTML tags).The <!DOCTYPE> declaration is not case sensitive.

HTML Headings :

HTML headings are defined with the <h1> to <h6> tags.<h1> defines the most important heading. <h6> defines the least important heading

HTML Paragraphs :

HTML paragraphs are defined with the <p> tag.

HTML Links :

HTML links are defined with the <a> tag.

HTML Images :

HTML images are defined with the <img> tag.

The source file (src), alternative text (alt), width, and height are provided as attributes:

HTML Elements :

The HTML **element** is everything from the start tag to the end tag:

<tagname>Content goes here...</tagname>

Nested HTML Elements :

HTML elements can be nested (this means that elements can contain other elements).All HTML documents consist of nested HTML elements.

The following example contains four HTML elements (<html>, <body>, <h1> and <p>)

EXAMPLE :

```
<!DOCTYPE html>
<html>
<body>

<h1>My Name is Farooq</h1>
<p>I love to play cricket.</p>

</body>
</html>
```

My Name is Farooq

I love to play cricket.

HTML Attributes :

- All HTML elements can have **attributes**
- Attributes provide **additional information** about elements
- Attributes are always specified in **the start tag**
- Attributes usually come in name/value pairs like: **name="value"**

HTML Headings :

HTML headings are defined with the <h1> to <h6> tags.<h1> defines the most important heading. <h6> defines the least important heading.

EXAMPLE :

```
<!DOCTYPE html>
<html>
<body>

<h1>FAROOQ</h1>
<h2>ALI</h2>
<h3>AHMED </h3>


</body>
</html>
```

FAROOQ

ALI

AHMED

HTML Paragraphs :

The HTML <p> element defines a paragraph.A paragraph always starts on a new line, and browsers automatically add some white space (a margin) before and after a paragraph.

Define an HTML Table :

A table in HTML consists of table cells inside rows and columns.

EXAMPLE :

```
<!DOCTYPE html>
<html>
<style>
table, th, td {
  border:1px solid black;
}
</style>
<body>

<h2>A basic HTML table</h2>

<table style="width:100%">
  <tr>
    <th>Company</th>
    <th>Contact</th>
    <th>Country</th>
  </tr>
  <tr>
    <td>PROSENSIA</td>
    <td>PRONSIA.COM</td>
    <td>PAKISTAN</td>
  </tr>
  <tr>
    <td>ELOXOSOFT</td>
    <td>ELOXOSOFT.COM</td>
    <td>PAKISTAN</td>
  </tr>
</table>

<p>To understand the example better, we have added borders to the table.</p>

</body>
</html>
```

A basic HTML table

Company	Contact	Country
PROSENSIA	PRONSIA.COM	PAKISTAN
ELOXOSOFT	ELOXOSOFT.COM	PAKISTAN

To understand the example better, we have added borders to the table.

HTML Forms :

An HTML form is used to collect user input. The user input is most often sent to a server for processing.

EXAMPLE :

```
<!DOCTYPE html>
<html>
<body>

<h2>HTML Forms</h2>

<form action="/action_page.php">
  <label for="fname">First name:</label><br>
  <input type="text" id="fname" name="fname" value="John"><br>

  <label for="lname">Last name:</label><br>
  <input type="text" id="lname" name="lname" value="Doe"><br>

  <label>Gender:</label><br>
  <input type="radio" id="male" name="gender" value="male">
  <label for="male">Male</label><br>
  <input type="radio" id="female" name="gender" value="female">
  <label for="female">Female</label><br>
  <input type="radio" id="other" name="gender" value="other">
  <label for="other">Other</label><br>

  <label>Hobbies:</label><br>
  <input type="checkbox" id="reading" name="hobby" value="Reading">
  <label for="reading">Reading</label><br>
  <input type="checkbox" id="sports" name="hobby" value="Sports">
  <label for="sports">Sports</label><br>
  <input type="checkbox" id="music" name="hobby" value="Music">
  <label for="music">Music</label><br>

  <label for="bday">Birthday:</label><br>
  <input type="date" id="bday" name="bday"><br><br>

  <input type="submit" value="Submit">
</form>
```

HTML Forms

First name:
John

Last name:
Doe

Gender:
- ○ Male
- ○ Female
- ○ Other

Hobbies:
- ☐ Reading
- ☐ Sports
- ☐ Music

Birthday:
mm/dd/yyyy

Submit

If you click the "Submit" button, the form-data will be sent to a page called "/action_page.php".

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