



**S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR**

Experiment No.

**Aim:** To develop a biodata page using HTML tags and commands

# Department of Electrical Engineering, S.B.J.I.T.M.R, Nagpur

**AIM:** To develop a biodata page using HTML tags and commands

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## OBJECTIVE/EXPECTED LEARNING OUTCOME:

The objectives and expected learning outcome of this practical are:

* To understand various HTML tags and Commands
* To develop biodata page using various HTML tags and Commands

**THEORY:**

HTML (Hypertext Markup Language) is the standard markup language for creating web pages and web applications. It describes the structure of web pages using markup. Here's a breakdown of some key HTML concepts:

**Tags**: HTML documents are made up of HTML elements, which are surrounded by opening and closing tags. Tags are enclosed in angle brackets < >. For example:

## html

Copy code

<p>This is a paragraph.</p>

**Attributes**: HTML tags can have attributes that provide additional information about the element. Attributes are always specified in the start tag and are written as name-value pairs. For example:

## html

Copy code

<a href="https://[www.example.com"](http://www.example.com/)>Visit our website</a>

In this example, href is an attribute of the <a> (anchor) tag, specifying the hyperlink reference.

## Commonly Used Tags:

**<html>:** Defines the root of an HTML document.

**<head>:** Contains meta-information about the document, such as its title and links to external resources.

**<title>:** Sets the title of the document.

**<body>:** Contains the content of the document.

<h1>, <h2>, <h3>, ... <h6>: Headings of different levels.

<p>: Defines a paragraph.

<a>: Defines a hyperlink.

<img>: Embeds an image.

<ul>: Defines an unordered list.

<ol>: Defines an ordered list.

<li>: Defines a list item.

**Nested Elements**: HTML elements can be nested within other elements, creating a hierarchical structure.

## For example:

html

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<div>

<p>This is a paragraph inside a div.</p>

</div>

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**Comments**: Comments in HTML start with <!-- and end with -->. They are not displayed in the web browser but can be useful for documenting your code or temporarily disabling parts of it.

Self-Closing Tags: Some tags do not have a closing tag and are self-closing. For example, the <img> tag:

## html

Copy code

<img src="image.jpg" alt="Description">

Whitespace: HTML ignores extra whitespace (spaces, tabs, newlines) between tags and content. It's mainly used for improving code readability.

**DOCTYPE Declaration**: The <!DOCTYPE> declaration must be the very first thing in an HTML document, before the <html> tag. It defines the document type and helps browsers to render content correctly.

**Semantic HTML**: HTML5 introduced semantic elements that describe the meaning of their content to both the browser and the developer, making it easier to understand the structure of a web page. Examples include

<header>, <nav>, <footer>, <article>, <section>, <aside>, etc.

**Forms:** HTML provides form elements like <form>, <input>, <button>, <select>, <textarea>, etc., for creating interactive components like input fields, buttons, dropdowns, and text areas.

These are some of the fundamental concepts in HTML. Mastery of these concepts allows you to create well- structured and semantically meaningful web pages.

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## ALOGORITM:

**(To be written by students according to steps followed while designing web page)**

## SOURCE CODE:

**(To be pasted by students after successful execution)**

## DISCUSSION QUESTION:

1. Why are HTML tags essential for creating web pages?
2. How do HTML tags contribute to the structure and organization of a webpage?
3. What is semantic HTML, and why is it important?
4. When should self-closing tags be used instead of paired tags?
5. How do HTML forms facilitate user interaction on websites?

## REFERENCE:

**(To be written by students after successfully answering discussion questions)**

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