

**Rathinam College of Arts and Science**



# **WEB TECNOLOGY**

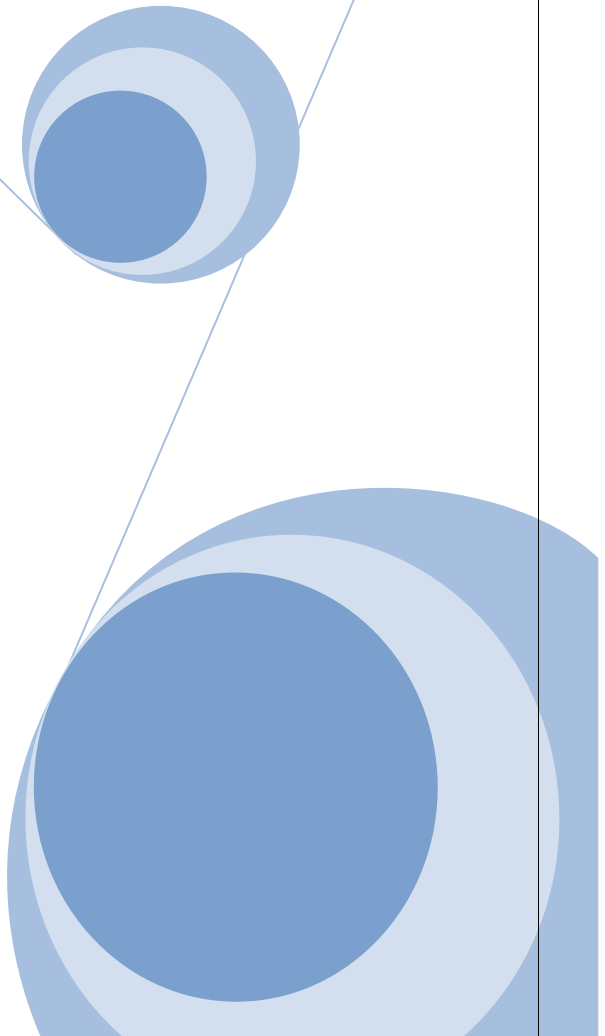
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**Subject : Web Technology**

**Title : Intro to HTML, CSS and Js**



# Introduction to HTML



## Getting started with HTML

- HTML = HyperText Markup Language.
- HTML's primary function is to define the structure of a document using a tagging system; allows web browsers to present web pages using a standardised language.
- Originally used to create content and apply style information to web pages: defines which parts of a document are headings, paragraphs, tables etc; and can be used to define how each section is presented.
- Latest iteration is HTML5, which introduced tags for multimedia content to be displayed natively in HTML.

### Example code :

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

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

</body>
</html>
```

# Introduction to CSS

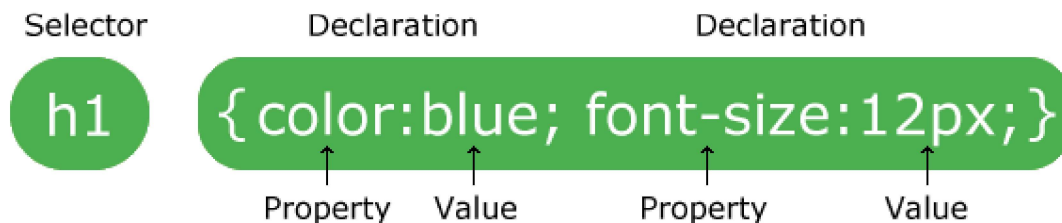


## Getting started with CSS

- Cascading Style Sheets – define the look and formatting of web documents.
- Designed to separate document content from presentation.
- Cornerstone of the web, helps to create visually engaging web pages, improves accessibility and allows for adaptive webpages for mobile platforms.
- HTML is for defining structural elements of a webpage – CSS is for defining the style – good practice to separate the two.
- CSS describes **how HTML elements are to be displayed on screen, paper, or in other media**
- CSS **saves a lot of work**. It can control the layout of multiple web pages all at once
- External stylesheets are stored in **CSS files**

### Syntax :

A CSS rule-set consists of a selector and a declaration block:



The selector points to the HTML element you want to style. The declaration block contains one or more declarations separated by semicolons. Each declaration includes a CSS property name and a value, separated by a colon. A CSS declaration always ends with a semicolon, and declaration blocks are surrounded by curly braces.

# Introduction to Java Script



## Getting started with CSS

- Js stands for Java Script.
- **JavaScript** to program the behavior of web pages
- Web pages are not the only place where JavaScript is used. Many desktop and server programs use JavaScript.
- One of many JavaScript HTML methods is `getElementById()`. This example uses the method to "find" an HTML element (with `id="demo"`) and changes the element content (`innerHTML`) to "Hello JavaScript":
- We can give the script in the HTML file itself or we can script it on another document
- 

### Example code :

```
<!DOCTYPE html>

<html>

<body>

<h2>What Can JavaScript Do?</h2>

<p id="demo">JavaScript can change HTML content.</p>

<button type="button" onclick='document.getElementById("demo").innerHTML = "Hello
JavaScript!'">Click Me!</button>

</body>

</html>
```