



HTML

SPEEDUP
I N F O T E C H

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INTRODUCTION TO HTML

- Hyper Text Markup Language
- Used to design the structure and appearance of website
- Used to create static websites
- Different than the programming language.



VERSIONS OF HTML

- HTML 1.0: Released in 1991. Barebones version
- HTML 2.0: Released in 1995. Supported form based inputs and tags.
- HTML 3.2: Released in 1997. Was made official for web browsers by W3C
- HTML 4.01: Released in 1999. Added support for styling
- HTML 5: Released in 2008. Latest version. Still under continuous development.



FEATURES OF HTML

- Easy and simple
- Effective for presentation
- Markup language
- Gives ability to add links to the webpage
- Platform independent
- Gives ability to add Graphics, Videos and Sounds
- Case insensitive



TEXT TAGS

- heading tags
- paragraph tags



```
<h1>H1 Tag</h1>  
<h2>H2 tag</h2>  
<h3>H3 Tag</h3>  
<h4>H4 Tag</h4>  
<h5>H5 Tag</h5>  
<h6>H6 Tag</h6>
```

```
<p>This is paragraph tag</p>
```


HTML TAGS

- Tag syntax
- Closed and unclosed tags



```
<!DOCTYPE html>
<html>
  <head>
    <title>Rutvij Technical Submission</title>
    <link rel="stylesheet" type="text/css" href="technicalTaskstyle.css" />
  </head>
  <body>
    <header>
      <div class="instaLogo">
        
      </div>
      <div class="searchBox">
        <input type="text" placeholder="Search" style="height: 30px" />
      </div>
      <div class="symbols-container">
        
        
        
      </div>
    </header>
    <div class="bio-container">
      <div class="profPic">
        
      </div>
    </div>
  </body>
</html>
```

FORMATTING TAGS

- bold/strong
- italic/em
- small
- mark
- del
- ins
- sub
- sup
- pre
- abbr
- address

```
<b>This is bold</b><br />  
<strong>This is strong</strong><br />  
<i>This is italics</i><br />  
<em>This is emphasis</em><br />  
<p>This is paragraph<small>This is small</small><br /></p>  
<del>This is del</del><br />  
<ins>This is ins</ins><br />  
<p>Example of sub: a<sub>2</sub></p>  
<p>Example of sup: a<sup>2</sup><br /></p>  
<p>This is <mark>mark</mark> tag</p>
```



QUOTATION AND CITATION

- quote
- blockquote
- cite



```
<q>This is quote tag</q>  
<blockquote cite="https://www.google.com">This is blockquote</blockquote>  
<cite>Wings of Fire</cite> is a great book to read
```

DIV AND SPAN

DIFFERENCE BETWEEN <DIV> AND

Div

- Block level element
- Used to wrap sections of a document
- Used while creating CSS based layouts in html

Span

- Inline level element
- Used wrap small portions of text, images
- Used to stylize text



INLINE ELEMENTS

```
<a> <abbr> <acronym> <b> <bdo> <big> <br>  
<button> <cite> <code> <dfn> <em> <i> <img>  
<input> <kbd> <label> <map> <object> <output>  
<q> <samp> <script> <select> <small> <span>  
<strong> <sub> <sup> <textarea> <time> <tt>  
    <var>
```


BLOCK ELEMENTS

```
<address>, <article>, <aside>, <blockquote>, <canvas>, <dd> ,  
<div>, <dl>, <dt>, <fieldset>, <figcaption>, <figure>, <footer>,  
<form> , <h1>-<h6>, <header>, <hr>, <li> , <main>, <nav>,  
<noscript>, <ol>, <p>, <pre>, <section>, <table>, <tfoot>, <ul>,  
<video>
```

ANCHOR TAG

- For redirecting to different website
- For redirecting to different part of website
- For redirecting to a different page



```
<a href="http://www.google.com">Search more</a>  
<a href="#top">Top</a>  
<a href="tables.html">Go to tables</a>
```

EMAIL TAG

- For setting it to send mail

```
<a href="mailto:rutvijm97@gmail.com">Contact Me!</a>
```



IMAGE TAG

```
img src="./media/Jackson Storm.jpg" alt="Jackson Storm" width="250px" height="150px"/>
```



MARQUEE TAG

```
<marquee direction="down" loop="2">The text goes here</marquee>
```



LISTS IN HTML

- Ordered Lists
- Unordered Lists
- Descriptive Lists



TABLES

- Table rows
- Table headings
- Table contents
- Merging columns



IFRAMES

- Displaying different website
- Embedding Youtube video
- Embedding Google Map



EMBEDDING MEDIA

- Embedding a video file
- Embedding an audio file
- Embedding a pdf



HTML ENTITIES

- Inserting symbols
- Inserting emojis



SEMANTIC ELEMENTS



HTML5 - New Semantic Elements

- `<header>`
- `<nav>`
- `<section>`
- `<article>`
- `<footer>`
- `<aside>`



INPUTS IN HTML

- text
- password
- phone
- email
- colour
- range
- date
- textarea



FORMS IN HTML

- Various elements of form
- Textarea
- Adding files in a form
- Form buttons
- Form in a table

