

1. Introduction

HTML & CSS

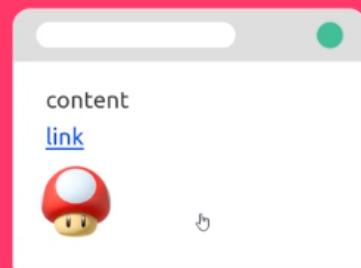
- No prior HTML or CSS knowledge is required
- Set up a local development environment
- Use newer, modern HTML5 features & specification
- Learn about responsive & mobile design
- Create a web page project from scratch using HTML & CSS

What is HTML?

Hypertext Markup Language

- Used to structure content on a web page (images, text, forms etc)
- We structure content using HTML tags

```
<p> content </p>  
<a> link </a>  
<img>
```



What is CSS?

Cascading Style Sheets

- Works alongside HTML
- Used to style web pages to make them look better
 - Change colours, position, effects, font sizes etc



Requirements (anyone from the below)

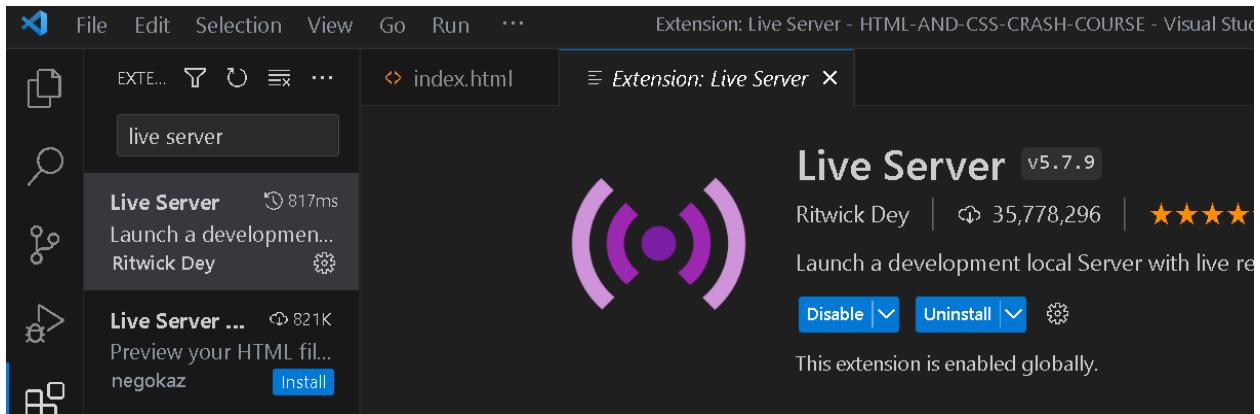
- Visual Studio Code (I prefer)
- Sublime Text Editor
- Atom
- Notepad++

Best browser → **Google Chrome**

Right click on index.html → Reveal in File Explorer

→ It goes to the where the file is stored, Then **double click on index.html** it will open in **browser**

→ After saving the **vscode** no need to refresh in the **browser** For that we need to **install package Live server**



Right Click on **index.html** code then select **Open with Live server**

It will open the browser <http://127.0.0.1:5500/index.html>

Right on the browser Go to **Inspect** you will see the code.

index.html

```
<!DOCTYPE html>
<html>

<head>
    <title>Learning HTML</title>
</head>

<body>
    <p>Hello, Raghava</p>
    <p>My first web page!</p>
</body>

</html>
```

Summary

- HTML is markup language to structure content
- CSS is the language used to style web pages
- How to create HTML file using VS Code as our editor
- Seen what HTML tags are and how we use them
- Know that the visible part of a web page goes in the <body> tag
- Seen how to preview the HTML page in a browser

2. HTML Basics

In HTML, the tag is used to indicate emphasized text. It is typically rendered in italics by default in most web browsers.

 unordered list

In HTML, the tag is used to create an unordered (bullet) list. It is used to group a list of items that do not require a specific order or sequence.

 ordered list

In HTML, the tag is used to create an ordered (numbered) list. It is used to group a list of items that should be sequentially ordered.

In HTML, the <div> tag is a generic container element that is used to group and structure content. It does not have any inherent semantic meaning, but it is commonly used to divide sections or groups of content on a webpage.

In HTML, the `` tag is an inline element used to apply styling or manipulate specific portions of text within a larger block of content.

**In HTML, the `
` tag is used to insert a line break within a block-level element or a line of text. It is a self-closing tag and does not require a closing tag.**

In HTML, the `<blockquote>` tag is used to indicate a block-level quotation or a section of quoted content. It is typically used to visually distinguish quoted text from the surrounding content.

index.html

```
<!DOCTYPE html>
<html>

<head>
    <title>Learning HTML</title>
</head>

<body>
    <div>
        <p>Hello, <strong>Raghava</strong></p>
        <p>My <small>first </small>web <em>page!</em></p>
        <a href="https://www.thenetninja.co.uk">the net ninja website</a>
        <a href="about.html">about page</a>
    </div>

    <div>
        <h1>Heading 1</h1>
        <h2>Heading 2</h2>
        <h3>Heading 3</h3>
        <h4>Heading 4</h4>
    </div>

    <div>
        <ul>
```

```

<li>Raghava</li>
<li>Sachi</li>
<li>rocks</li>
</ul>
</div>

<!--
<div>
<ol>
<li>Raghava</li>
<li>Sachi</li>
<li>rocks</li>
</ol>
</div>
-->

<!-- span tag below -->
<span>I am a <br>span tag</span>

<hr>



<blockquote cite="http://www.oscarwilde.com">
    We are all in the gutter, but some of us are looking at the stars
</blockquote>

<p style="color: orange;">style me :)</p>

</body>
</html>

```

about.html

```

<!DOCTYPE html>
<html>

<head>

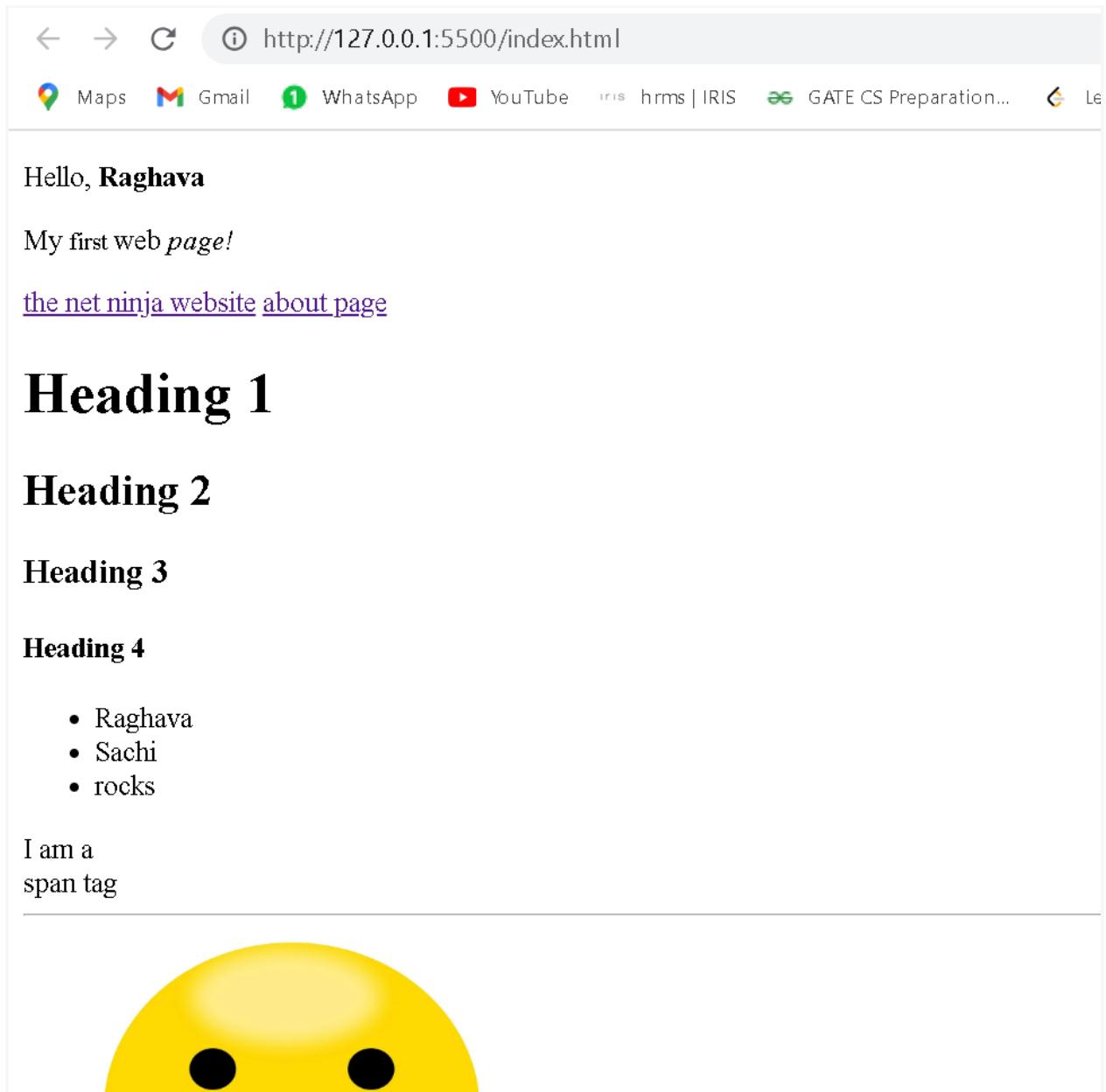
```

```
    <title>Learning HTML</title>
</head>

<body>
    <h1>about us</h1>

</body>
</html>
```

O/P:



A screenshot of a web browser window displaying a local file at `http://127.0.0.1:5500/index.html`. The browser's toolbar includes icons for back, forward, refresh, and search, along with links to Maps, Gmail, WhatsApp, YouTube, IRIS, HRMS, GATE CS Preparation, and LinkedIn.

The page content is as follows:

```
< → ⌂ ⓘ http://127.0.0.1:5500/index.html
Maps Gmail WhatsApp YouTube IRIS HRMS | IRIS GATE CS Preparation... LinkedIn

Hello, Raghava
My first web page!
the net ninja website about page

# Heading 1



## Heading 2



### Heading 3



#### Heading 4



- Raghava
- Sachi
- rocks



I am a  
span tag



---


```



Maps



Gmail



WhatsApp



YouTube

iris

hrms | IRIS

about us

Summary

- Learnt some of the most common HTML tags in web pages
 - p, ul, li, div, a, img, etc
- Talked about attributes (src, href, cite, alt etc)
- How to create comments in an HTML file

3. HTML Forms

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

<form action="">
  <input type="radio" name="gender" value="male"> Male<br>
  <input type="radio" name="gender" value="female"> Female<br>
  <input type="radio" name="gender2" value="other"> Other
</form>

<p><b>Note:</b> When a user clicks on a radio-button, it becomes checked, and all other radio-buttons with equal name become unchecked.</p>

</body>
</html>
```

- Male
- Female
- Other

Note: When a user clicks on a radio-button, it becomes checked, and all other radio-buttons with equal name become unchecked.

N

→ Here name of male & female is same that is why we need to select any one from the both.

In HTML, the `<textarea>` tag is used to create a multi-line text input area where users can enter and edit text. It is commonly used in forms or areas where longer text inputs are required.

index.html

```
<!DOCTYPE html>
<html>

<head>
    <title>HTML Forms</title>
</head>

<body>
    <h1>HTML Forms</h1>

    <form action="">
        <label for="username">enter username:</label>
        <input type="text" id="username" name="username"
placeholder="username" required>
        <br> <br>
        <label for="email">enter email:</label>
        <input type="email" id="email" name="email" placeholder="your email"
required>
        <br><br>
        <label for="password">password:</label>
        <input type="password" id="password" name="password"
placeholder="choose a password" required>

        <p>select your age:</p>

        <input type="radio" name="age" value="0-25" id="option-1">
        <label for="option-1">0-25</label>
        <input type="radio" name="age" value="26-50" id="option-2">
        <label for="option-2">26-50</label>
        <input type="radio" name="age" value="51+" id="option-3">
        <label for="option-3">51+</label>

        <br> <br>

        <label for="question">security question:</label>
        <select name="question" id="question">
```

```
        <option value="q1">What colour are your favourite pair of  
socks?</option>  
        <option value="q2">If you could be a vegetable, what it  
be?</option>  
        <option value="q3">What is your best ever security  
question?</option>  
    </select>  
  
<br> <br>  
  
<label for="answer">security question answer:</label>  
<input type="text" id="answer" name="answer">  
  
<br> <br>  
<label for="bio">Your bio:</label><br>  
<textarea name="bio" id="bio" cols="30" rows="10" placeholder="about  
you... "></textarea>  
  
    <input type="submit" value="submit the form">  
</forms>  
  
</body>  
</html>
```

O/P:

A screenshot of a web browser window. The title bar says "HTML Forms". The address bar shows the URL "http://127.0.0.1:5500/index.html". Below the address bar are links for Maps, Gmail, WhatsApp, YouTube, IRIS, GATE, and other services. The main content area displays an HTML form with fields for username, email, password, age selection, security question, bio, and a submit button.

enter username:

enter email:

password:

select your age:

0-25 26-50 51+

security question:

security question answer:

Your bio:
about you...

Summary

- How to create a web form and what the 'action' attribute is for
- Seen a lot of the most common input types
 - text, email, password, radio, select, textarea
- How to use labels, the id attribute & the name attribute
- How forms are submitted and validated

4. CSS Basics

CSS (Style Sheets)

style sheet - a list of CSS rules / rule sets



Comments in CSS

```
/* -----  
----- */
```

Comments in html

```
<!--  
-->
```

Colours / Hex Codes

white

black

yellow

green

#42f4f1



#ab55ef



Colours / Hex Codes

42f4f1

R G B

#440000



#EE0000



index.html

```
<!DOCTYPE html>
<html>

<head>
    <link rel="stylesheet" href="styles.css">
    <title>CSS Basics</title>
</head>

<body>
    <h1>CSS Basics</h1>

    <p>Cricket has witnessed significant advancements in technology that have greatly influenced the game. One of the most notable advancements is the implementation of the Decision Review System (DRS). This system utilizes ball-tracking technology (Hawkeye), thermal imaging (Hot Spot), and audio sensors (Snickometer) to assist umpires in making correct decisions. With the help of DRS, decisions on LBW appeals, catches, and other contentious situations can be reviewed and validated. </p>

    <div>
        <h2>Ninja Available for hire </h2>
        <p>Cricket has witnessed significant advancements in technology that have greatly influenced the game. One of the most notable advancements is the implementation of the Decision Review System (DRS). This system utilizes ball-tracking technology (Hawkeye), thermal imaging (Hot Spot), and audio sensors (Snickometer) to assist umpires in making correct decisions. With the help of DRS, decisions on LBW appeals, catches, and other contentious situations can be reviewed and validated.

    </p>
    <ul>
        <li>Ninja Course</li>
        <li>Ninja Mario</li>
        <li>raghava rocks</li>
    </ul>
</div>
```

```
</body>
</html>
```

about.html

```
<!DOCTYPE html>
<html>

<head>
    <link rel="stylesheet" href="styles.css">
    <title>CSS Basics</title>
</head>

<body>
    <h1>About us</h1>

    <p>Cricket has witnessed significant advancements in technology that have greatly influenced the game. One of the most notable advancements is the implementation of the Decision Review System (DRS). This system utilizes ball-tracking technology (Hawkeye), thermal imaging (Hot Spot), and audio sensors (Snickometer) to assist umpires in making correct decisions. With the help of DRS, decisions on LBW appeals, catches, and other contentious situations can be reviewed and validated.</p>

</body>
</html>
```

style.css

```
h1 {
    color: orange;
    background-color: slategray;
    font-size: 40px;
    text-decoration: underline;
    font-family: 'Lucida Sans Unicode';
    text-align: center;

}
```

```
p {
    color: slategray;
    text-align: left;
    line-height: 30px;
    letter-spacing: 3px;
    column-count: 2;
    column-gap: 60px;
}

ul{
    /* border-width: 4px;
    border-style: solid;
    border-color: crimson; */
    /* the above all three in oneline */
    /* border: 4px solid crimson; */
    border-bottom: 4px dotted crimson;
    border-left: 8px dashed rgb(20, 220, 63);
}
li{
    list-style-type: square;
    /* text-shadow: 2px 2px lightgray; */
    text-shadow: 2px 2px #464857;
}
```

O/P:

The screenshot shows a Microsoft Edge browser window titled "CSS Basics". The address bar displays the URL "http://127.0.0.1:5500/index.html". The page content is as follows:

CSS Basics

Cricket has witnessed significant advancements in technology that have greatly influenced the game. One of the most notable advancements is the implementation of the Decision Review System (DRS). This system utilizes ball-tracking technology (Hawkeye), thermal imaging (Hot Spot), and audio sensors (Snickometer) to assist umpires in making correct decisions. With the help of DRS, decisions on LBW appeals, catches, and other contentious situations can be reviewed and validated.

Ninja Available for hire

Cricket has witnessed significant advancements in technology that have greatly influenced the game. One of the most notable advancements is the implementation of the Decision Review System (DRS). This system utilizes ball-tracking technology (Hawkeye), thermal imaging (Hot Spot),

- Ninja Course
- Ninja Mario
- raghava rocks

The screenshot shows a Microsoft Edge browser window titled "About us". The address bar displays the URL "http://127.0.0.1:5500/about.html". The page content is as follows:

About us

Cricket has witnessed significant advancements in technology that have greatly influenced the game. One of the most notable advancements is the implementation of the Decision Review System (DRS). This system utilizes ball-tracking technology (Hawkeye), thermal imaging (Hot Spot), and audio sensors (Snickometer) to assist umpires in making correct decisions. With the help of DRS, decisions on LBW appeals, catches, and other contentious situations can be reviewed and validated.

Inline Elements

- Don't take up any more room than their content needs
- span, img, strong, em, a and more...

<a>

→ Block-level element start with **newline**

Block-level Elements

- Take up the whole width of a page regardless of content
- p, div, blockquote, h2, h2, h3, ul, li and more...

<p>

<div>

< p > Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer eu dapibus augue. Integer scelerisque, risus vitae viverra tempor, [felis](somewhere.com) dolor pretium lectus, in aliquet velit libero nec mauris. Nam eget quam venenatis, posuere est eget, pretium tortor. Mauris in euismod nisi, eu malesuada eros.

< p > Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer eu dapibus augue.

→ Block-level Element

Margin & Padding

A diagram illustrating the visual hierarchy of CSS elements. It features three nested rectangular boxes. The outermost box is orange and labeled "margin". Inside it is a green box labeled "padding". The innermost box is red and labeled "div".

margin

padding

div

→Inline element



index.html

```
<!DOCTYPE html>
<html>

<head>
    <link rel="stylesheet" href="styles.css">
    <title>CSS Basics</title>
</head>

<body>

    <h2>Inline elements</h2>

    <span>span tag</span>
    <em>em tag</em>
    <a href="">anchor tag</a>
```

```
<span>span tag</span>

<h2>Block-level elements</h2>

<div>div tag</div>
<div>another div tag</div>
<h3>h3 tag</h3>
<p>paragraph tag</p>
<ul>
  <li>li tag</li>
  <li>another li tag</li>
</ul>

</body>
</html>
```

styles.css

```
span {
  display: inline-block;
  margin: 20px;
  padding: 20px;
}

div{
  /* display: inline */
  border: 2px solid crimson;
  margin: 20px;
  padding: 20px;
}
```

O/P:



Inline elements

span tag em tag anchor tag span tag

Block-level elements

div tag

another div tag

h3 tag

paragraph tag

- li tag
- another li tag

Summary

- What CSS is and how to add it to a webpage
- Basic selectors and some different declarations / properties
- Hex codes and the VS Code colour picker
- Inline and block-level elements (and inline-block)
- Margin & Padding
- Default browser styles

5. CSS Classes & Selectors

index.html

```
<!DOCTYPE html>
<html>

<head>
    <link rel="stylesheet" href="styles.css">
    <title>CSS Basics</title>
</head>

<body>

    <div id="content">
        <p>Cricket has witnessed significant advancements in technology that have greatly influenced the game. One of the most notable advancements is the implementation of the Decision Review System (DRS). This system utilizes ball-tracking technology (Hawkeye), thermal imaging (Hot Spot), and audio sensors (Snickometer) to assist umpires in making correct decisions. With the help of DRS, decisions on LBW appeals, catches, and other contentious situations can be reviewed and validated.</p>

        <p class="error">Cricket has witnessed significant advancements in technology that have greatly influenced the game. One of the most notable advancements is the implementation of the Decision Review System (DRS). This system utilizes ball-tracking technology (Hawkeye), thermal imaging (Hot Spot), and audio sensors (Snickometer) to assist umpires in making correct decisions. With the help of DRS, decisions on LBW appeals, catches, and other contentious situations can be reviewed and validated.</p>

        <p class="success">Cricket has witnessed significant advancements in technology that have greatly influenced the game. One of the most notable advancements is the implementation of the Decision Review System (DRS). This system utilizes ball-tracking technology (Hawkeye), thermal imaging (Hot Spot), and audio sensors (Snickometer) to assist umpires in making correct decisions. With the help of DRS,
```

```
decisions on LBW appeals, catches, and other contentious situations can  
be reviewed and validated.</p>  
  
<p class="success feedback">Cricket has witnessed significant  
advancements in technology that have greatly influenced the game. One of  
the most notable advancements is the implementation of the Decision  
Review System (DRS). This system utilizes ball-tracking technology  
(Hawkeye), thermal imaging (Hot Spot), and audio sensors (Snickometer)  
to assist umpires in making correct decisions. With the help of DRS,  
decisions on LBW appeals, catches, and other contentious situations can  
be reviewed and validated.</p>  
  
</div>  
  
<p>In addition to these decision-making technologies, cricket has  
also seen the introduction of LED stumps and bails. These modern  
versions are equipped with sensors that light up when the wicket is  
disturbed, offering a clearer visual indication of a dismissal.</p>  
<div class="error">I am an error </div>  
  
<a href="https://www.thenetninja.co.uk">The best site on the  
web</a><br>  
<a href="https://www.google.com">google website</a>  
  
</body>  
</html>
```

style.css

```
/* .error{
    color: red;
} */

/* p.error{
    color: red;
}

p.success{
    color: #4fdb4f;
}

p.success.feedback{
    border: 1px dashed #4fdb4f;
}

#content{
    background-color: #ebebeb;
    padding: 20px;
} */

/* div p{
    color: purple;
} */

/* div .error{
    color: purple;
} */

/* a[href]{
    background-color: #3dd13d;
} */

/* a[href="https://www.theninja.co.uk"]{
    background-color: #3dd13d;
    color: white;
    text-decoration: none;
    font-weight: bold;
    text-transform: uppercase;
} */
```

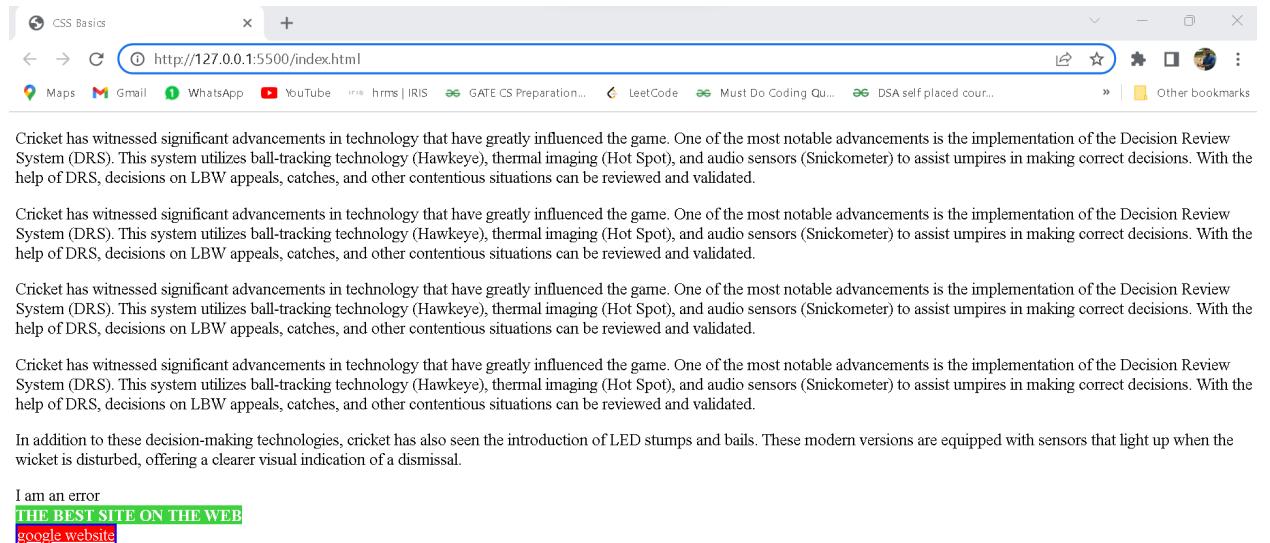
```

a[href*="thenetninja"]{
    background-color: #3dd13d;
    color: white;
    text-decoration: none;
    font-weight: bold;
    text-transform: uppercase;
}

a[href$=".com"] { /* $ means end with */
    color: white;
    background: red;
    border: 2px solid blue;
}

```

O/P:



The Cascade

Inheritance

- HTML elements can inherit CSS properties that are applied to their parents

```
<div>
  <p>hello</p>
</div>
```

```
div {
  color: red;
}
```

Inheritance

- HTML elements can inherit CSS properties that are applied to their parents

```
<div>
  <p>hello, <span>ninjas</span></p>
</div>
```

```
div {
  color: red;
}
```

index.html

```
<!DOCTYPE html>
<html>

<head>
    <link rel="stylesheet" href="styles.css">
    <title>CSS Basics</title>
</head>

<body>

    <div id="content">
        <p>Cricket has witnessed significant advancements in technology that have greatly influenced the game. One of the most notable advancements is the implementation of the Decision Review System (DRS). This system utilizes ball-tracking technology (Hawkeye), thermal imaging (Hot Spot), and audio sensors (Snickometer) to assist umpires in making correct decisions. With the help of DRS, decisions on LBW appeals, catches, and other contentious situations can be reviewed and validated.</p>

        <p class="error">Cricket has witnessed significant advancements in technology that have greatly influenced the game. One of the most notable advancements is the implementation of the Decision Review System (DRS). This system utilizes ball-tracking technology (Hawkeye), thermal imaging (Hot Spot), and audio sensors (Snickometer) to assist umpires in making correct decisions. With the help of DRS, decisions on LBW appeals, catches, and other contentious situations can be reviewed and validated.</p>

        <p class="success">Cricket has witnessed significant advancements in technology that have greatly influenced the game. One of the most notable advancements is the implementation of the Decision Review System (DRS). This system utilizes ball-tracking technology (Hawkeye), thermal imaging (Hot Spot), and audio sensors (Snickometer) to assist umpires in making correct decisions. With the help of DRS, decisions on LBW appeals, catches, and other contentious situations can be reviewed and validated.</p>
    </div>
</body>
```

```

        <p class="success feedback">Cricket has witnessed significant advancements in technology that have greatly influenced the game. One of the most notable advancements is the implementation of the Decision Review System (DRS). This system utilizes ball-tracking technology (Hawkeye), thermal imaging (Hot Spot), and audio sensors (Snickometer) to assist umpires in making correct decisions. With the help of DRS, decisions on LBW appeals, catches, and other contentious situations can be reviewed and validated.</p>

    </div>

    <p>In addition to these decision-making technologies, cricket has also seen the introduction of LED stumps and bails. These modern versions are equipped with sensors that light up when the wicket is disturbed, offering a clearer visual indication of a dismissal.</p>
    <div class="error">I am an error </div>

    <a href="https://www.thenetninja.co.uk">The best site on the web</a><br>
    <a href="https://www.google.com">google website</a>

</body>
</html>

```

style.css

```

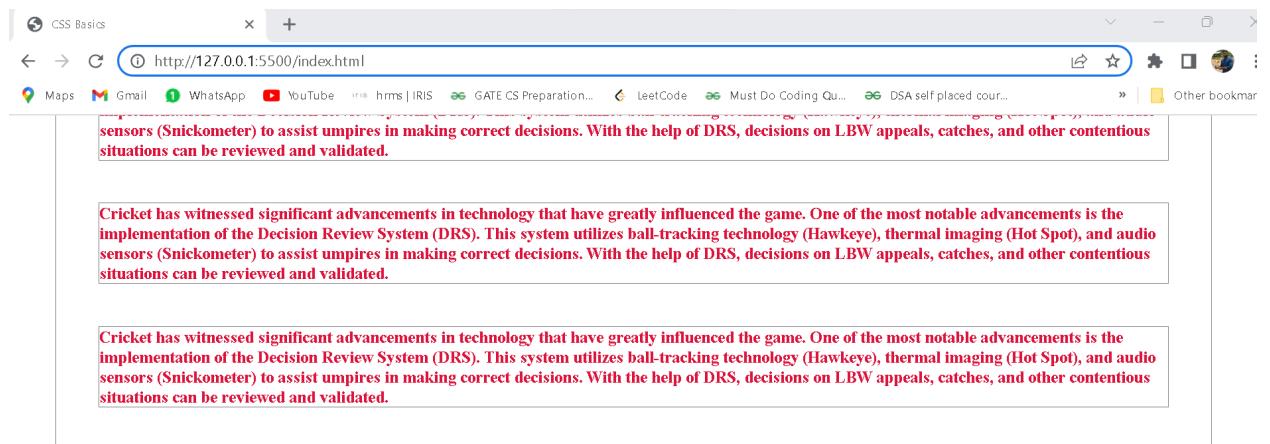
div{
    color: lightcoral;
    border: 1px solid grey;
    margin: 40px;
    font-weight: bold;
}

div p{
    border: inherit;
    margin: inherit;
    color: crimson;
}

```

```
p{  
    color: orange;  
}
```

O/P:



In addition to these decision-making technologies, cricket has also seen the introduction of LED stumps and bails. These modern versions are equipped with sensors that light up when the wicket is disturbed, offering a clearer visual indication of a dismissal.

I am an error

The best site on the web
[google website](#)

6. HTML5 Semantics Tags

HTML5 Semantic Tags

```
<div>
    <p>some content</p>
    <p>some more content</p>
</div>
```

```
<article>
    <p>some content</p>
    <p>some more content</p>
</article>
```

HTML5 Semantic Tags

<main>

For the main content of a webpage, unique to that page

<section>

Defines a certain section of a webpage (e.g. blog list, contact info)

<article>

Defines a bit of content which makes up an article (e.g. a blog post)

<aside>

Defines some content related to something else (e.g. similar blogs)

<header>

For the header of a website - contains the nav, title etc

<footer>

For the footer of a website

index.html

```
<!DOCTYPE html>
<html>

<head>
    <link rel="stylesheet" href="styles.css">
    <title>Marioclub</title>
</head>
```

```
<body>
  <header>
    <h1>Marioclub</h1>
  </header>
  <section class="banner">
    
    <div class="welcome">
      <h2>Welcome to <br><span>Marioclub</span></h2>
    </div>
  </section>
  <nav class="main-nav">
    <ul>
      <li><a href="/join.html" class="join">Join the club</a></li>
      <li><a href="/news.html">Latest news</a></li>
      <li><a href="/games.html">New games</a></li>
      <li><a href="/contact.html">Contact</a></li>
    </ul>
  </nav>

  <main>
    <article>
      <h2>It's a me, Marico</h2>
      <p>Cricket has witnessed significant advancements in technology that have greatly influenced the game. One of the most notable advancements is the implementation of the Decision Review System (DRS). This system utilizes ball-tracking technology (Hawkeye), thermal imaging (Hot Spot), and audio sensors (Snickometer) to assist umpires in making correct decisions. With the help of DRS, decisions on LBW appeals, catches, and other contentious situations can be reviewed and validated.</p>
    </article>

    <ul class="images">
      <li></li>
      <li></li>
    </ul>
  </main>

  <section class="join">
    <h2>Join Today!</h2>
  </section>

```

```

<p>Cricket has witnessed significant advancements in technology that have greatly influenced the game. One of the most notable advancements is the implementation of the Decision Review System (DRS). This system utilizes ball-tracking technology (Hawkeye), thermal imaging (Hot Spot), and audio sensors (Snickometer) to assist umpires in making correct decisions. With the help of DRS, decisions on LBW appeals, catches, and other contentious situations can be reviewed and validated.</p>

<form>
    <input type="email" name="email" placeholder="Type email & hit enter" required>
</form>
</section>

<footer>
    <p class="copyright">Copyright 2019 Marioclub</p>
</footer>

</body>
</html>

```

O/P:

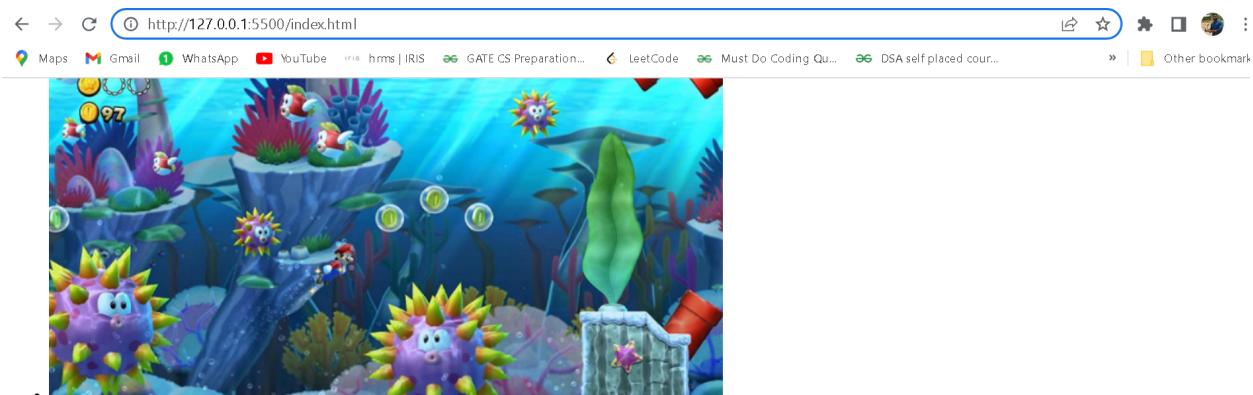
http://127.0.0.1:5500/index.html

- [Join the club](#)
- [Latest news](#)
- [New games](#)
- [Contact](#)

It's a me, Marico

Cricket has witnessed significant advancements in technology that have greatly influenced the game. One of the most notable advancements is the implementation of the Decision Review System (DRS). This system utilizes ball-tracking technology (Hawkeye), thermal imaging (Hot Spot), and audio sensors (Snickometer) to assist umpires in making correct decisions. With the help of DRS, decisions on LBW appeals, catches, and other contentious situations can be reviewed and validated.





Join Today!

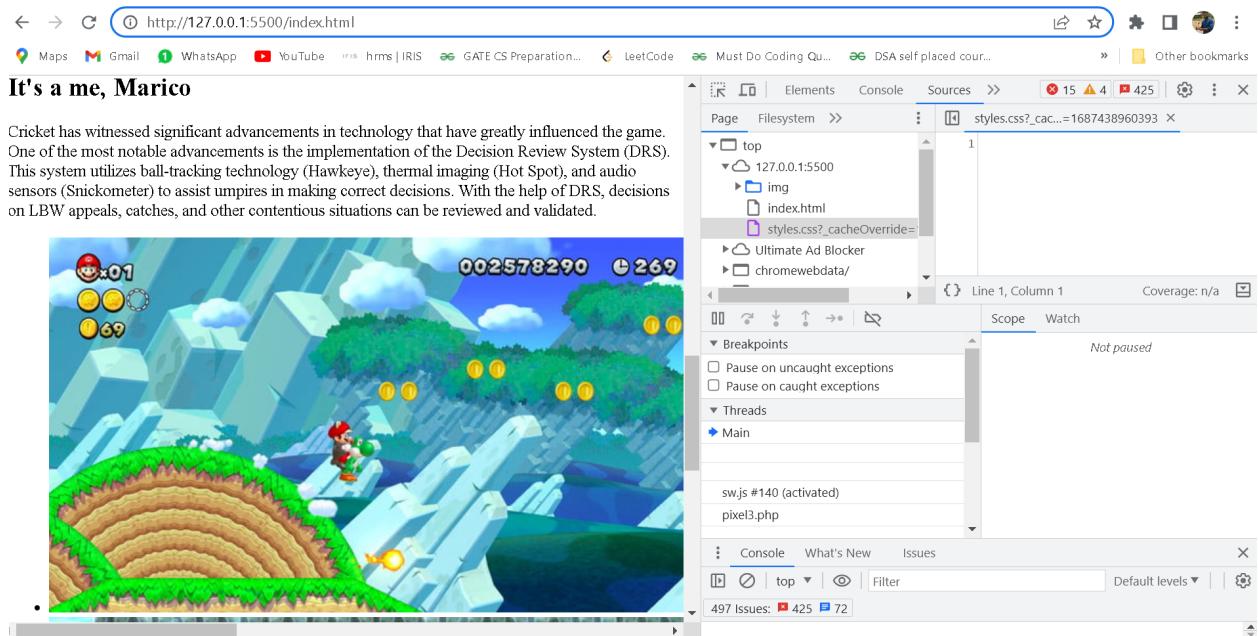
Cricket has witnessed significant advancements in technology that have greatly influenced the game. One of the most notable advancements is the implementation of the Decision Review System (DRS). This system utilizes ball-tracking technology (Hawkeye), thermal imaging (Hot Spot), and audio sensors (Snickometer) to assist umpires in making correct decisions. With the help of DRS, decisions on LBW appeals, catches, and other contentious situations can be reviewed and validated.

Type email & hit enter

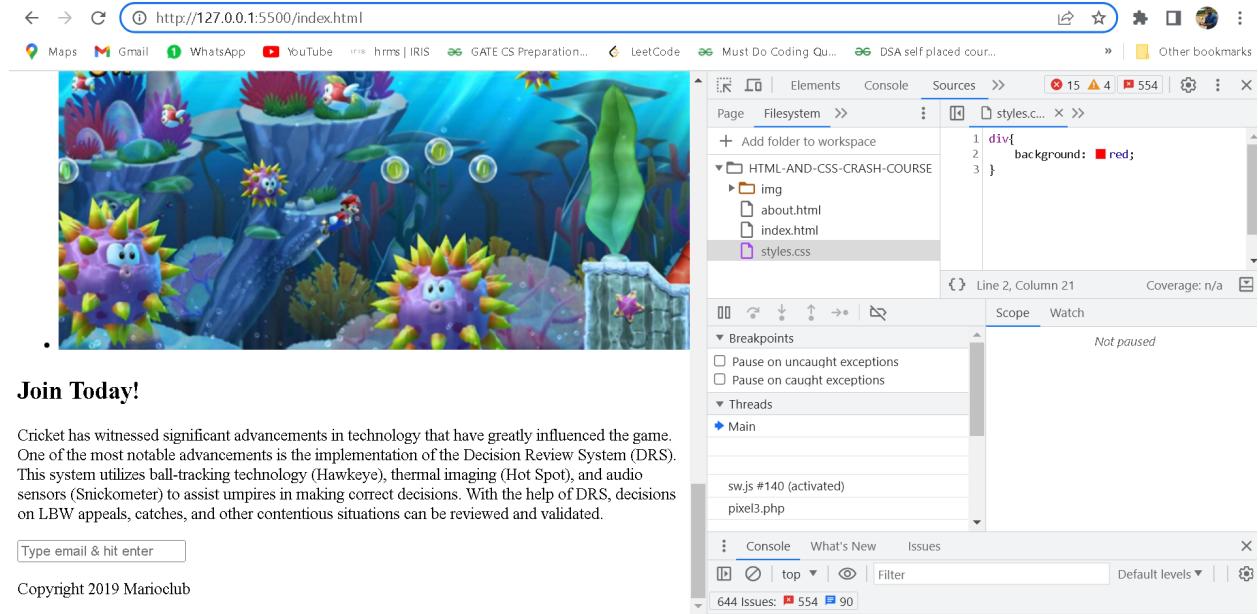
Copyright 2019 Marioclub

7. Chrome Dev Tools

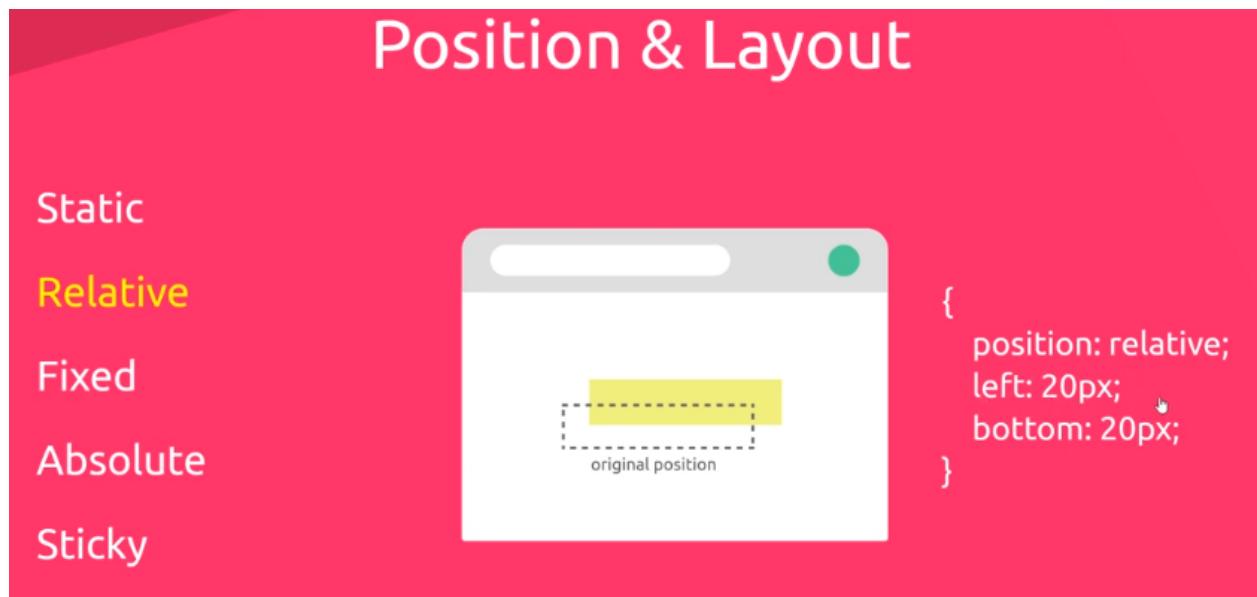
Inspect → Go to **source** you will see files we edit also



→ Go to “Filesystem” add the current folder then it is permanently saved.



8. CSS Layout & Position



style.css

```
header{  
    position: relative;  
    left: 100px;  
    top: 100px;  
}  
.banner{  
    position: relative;  
    top: 200px;  
}
```

Position & Layout

Static

Relative

Fixed

Absolute

Sticky



```
{  
  position: fixed;  
  left: 0px;  
  top: 0px;  
}
```

Position & Layout

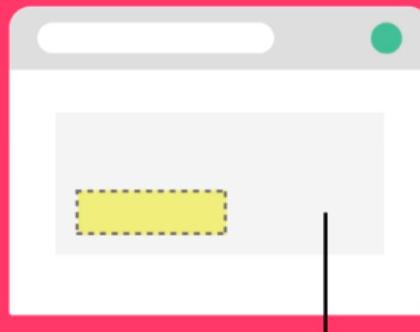
Static

Relative

Fixed

Absolute

Sticky



```
{  
  position: absolute;  
  left: 20px;  
  bottom: 20px;  
}
```

→we are increase the size of banner welcome part is not moving because it is absolute.

```
.banner_welcome{  
  position: absolute;  
  left: 0;  
  top: 200px;  
}
```

Position & Layout

Static

Relative

Fixed

Absolute

Sticky

... A mixture of
'static' and 'fixed'

index.html

```
<!DOCTYPE html>
<html>

<head>
    <link rel="stylesheet" href="styles.css">
    <title>Marioclub</title>
</head>

<body>
    <header>
        <h1>Marioclub</h1>
    </header>
    <section class="banner">
        
        <div class="welcome">
            <h2>Welcome to <br><span>Marioclub</span></h2>
        </div>
    </section>
```

```
<nav class="main-nav">
    <ul>
        <li><a href="/join.html" class="join">Join the club</a></li>
        <li><a href="/news.html">Latest news</a> </li>
        <li><a href="/games.html">New games</a></li>
        <li><a href="/contact.html">Contact</a></li>
    </ul>
</nav>

<main>
    <article>
        <h2>It's a me, Marico</h2>
        <p>Cricket has witnessed significant advancements in technology that have greatly influenced the game. One of the most notable advancements is the implementation of the Decision Review System (DRS). This system utilizes ball-tracking technology (Hawkeye), thermal imaging (Hot Spot), and audio sensors (Snickometer) to assist umpires in making correct decisions. With the help of DRS, decisions on LBW appeals, catches, and other contentious situations can be reviewed and validated.</p>
    </article>

    <ul class="images">
        <li></li>
        <li></li>
    </ul>
</main>

<section class="join">
    <h2>Join Today!</h2>
    <p>Cricket has witnessed significant advancements in technology that have greatly influenced the game. One of the most notable advancements is the implementation of the Decision Review System (DRS). This system utilizes ball-tracking technology (Hawkeye), thermal imaging (Hot Spot), and audio sensors (Snickometer) to assist umpires in making correct decisions. With the help of DRS, decisions on LBW appeals, catches, and other contentious situations can be reviewed and validated.</p>
    <form>
        <input type="email" name="email" placeholder="Type email & hit enter" required>
    </form>
```

```

</section>

<footer>
    <p class="copyright">Copyright 2019 Marioclub</p>
</footer>

</body>
</html>

```

styles.css

```

body, ul, li, h1, h2, a{
    margin: 0;
    padding: 0;
    font-family: arial;
}

header{
    background-color: #F63232;
    padding: 20px;
    text-align: center;
    position: fixed;
    width: 100%;
    z-index: 1; /* if required item is bottom we have bring Up
use z-index */
    top: 0;
    left: 0;
}

header h1{
    color: white;
    border: 8px solid white;
    padding: 6px 12px; /*Top-bottom   left-right */
    display: inline-block;
    border-radius: 36px; /* corners are curved */
}

.banner{ /* Parent must be relative */
    position: relative;
}

```

```
.banner img{ /* above banner is relative */
    max-width: 100%;
}

.banner .welcome{
    background-color: #FEB614;
    color: white;
    padding: 30px;
    position: absolute;
    left: 0;
    top: 30%;
}

.banner h2{
    font-size: 74px;
}

.banner h2 span{
    font-size: 1.3em;
}

nav{
    background-color: #F4F4F4;
    padding: 20px;
    position: sticky;
    top: 106px;
}

nav ul{
    white-space: nowrap; /* It is not going to next line */
    max-width: 1200px;
    margin: 0 auto;
}

nav li{
    width: 25%;
    display: inline-block;
    font-size: 24px;
}

nav li a{
    text-decoration: none;
    color: #4B4B4B;
}

nav li a.join{
    color: #F63232;
```

```
}

main{
    max-width: 100%;
    width: 1200px;
    margin: 80px auto;
    padding: 0 40px;
    box-sizing: border-box;
}

article h2{
    color: #F63232;
    font-size: 48px;
}

article p{
    line-height: 2em;
    color: #4b4b4b;
}

.images{
    text-align: center;
    margin: 80px 0;
    white-space: nowrap;
}

.images li{
    display: inline-block;
    width: 40%;
    margin: 20px 5%;
}

.images li img{
    max-width: 100%;
}

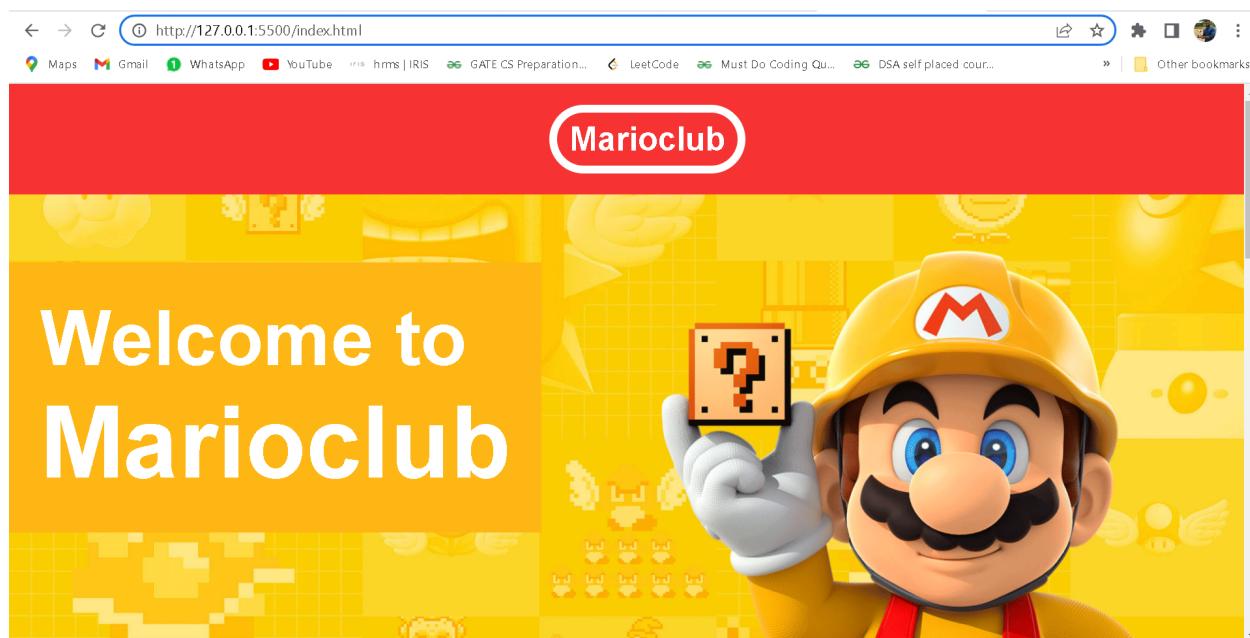
section.join{
    background: #F4F4F4;
    text-align: center;
    padding: 60px 20px;
    color: #4b4b4b;
}

.join h2{
    font-size: 36px;
}

form input{
    margin: 20px 0;
```

```
padding: 10px 20px;  
font-size: 24px;  
border-radius: 28px;  
border: 4px solid white;  
}  
  
footer{  
background: #F63232;  
color: white;  
padding: 10px;  
text-align: center;  
}
```

O/P:



Marioclub

Join the club

Latest news

New games

Contact

It's a me, Marico

Cricket has witnessed significant advancements in technology that have greatly influenced the game. One of the most notable advancements is the implementation of the Decision Review System (DRS). This system utilizes ball-tracking technology (Hawkeye), thermal imaging (Hot Spot), and audio sensors (Snickometer) to assist umpires in making correct decisions. With the help of DRS, decisions on LBW appeals, catches, and other contentious situations can be reviewed and validated.



Waiting for api.ultimateadb.com...



Marioclub

Join the club

Latest news

New games

Contact



← → ⌛ ⓘ http://127.0.0.1:5500/index.html

Maps Gmail WhatsApp YouTube hrm̄s | IRIS GATE CS Preparation... LeetCode Must Do Coding Qu... DSA self placed cour... Other bookmarks

Marioclub

Join the club Latest news New games Contact

Join Today!

Cricket has witnessed significant advancements in technology that have greatly influenced the game. One of the most notable advancements is the implementation of the Decision Review System (DRS). This system utilizes ball-tracking technology (Hawkeye), thermal imaging (Hot Spot), and audio sensors (Snickometer) to assist umpires in making correct decisions. With the help of DRS, decisions on LBW appeals, catches, and other contentious situations can be reviewed and validated.

Type email & hit enter

Copyright 2019 Marioclub

9. Pseudo Classes & Elements

Pseudo Classes

- Style elements when they're in a particular state
 - hover, focus, first child of a parent

:hover :focus :first-child

style.css

```
/* pseudo classes */

nav li a:hover{          /* underline in the tabs*/
    text-decoration: underline;
    /* background-color: pink;
    padding: 3px; */
}

.images li:hover{
    position: relative;
    top: -4px;
}

form input:focus{
    border: 4px dashed #4b4b4b;
    outline: none;
}
```

```
form input:valid{
    border: 4px solid #71d300;
}

/* nav li:first-child{
    border: 3px solid #F63232;
} */

/* Pseudo Elements */

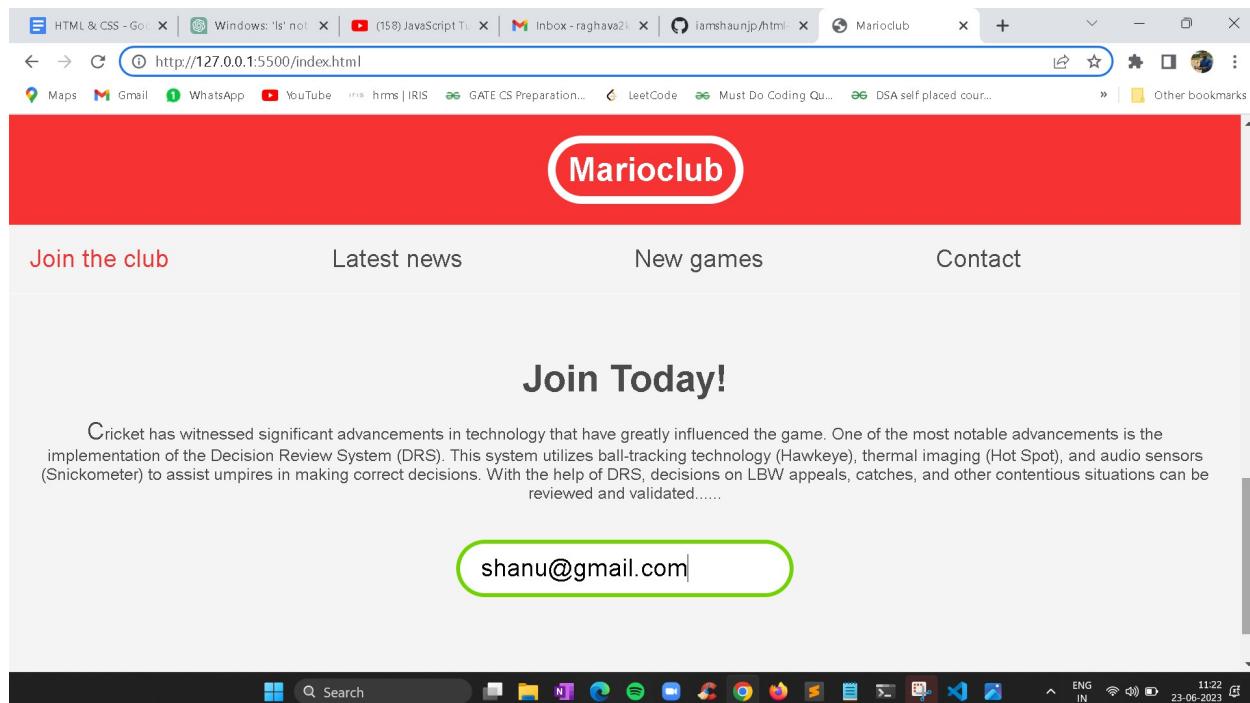
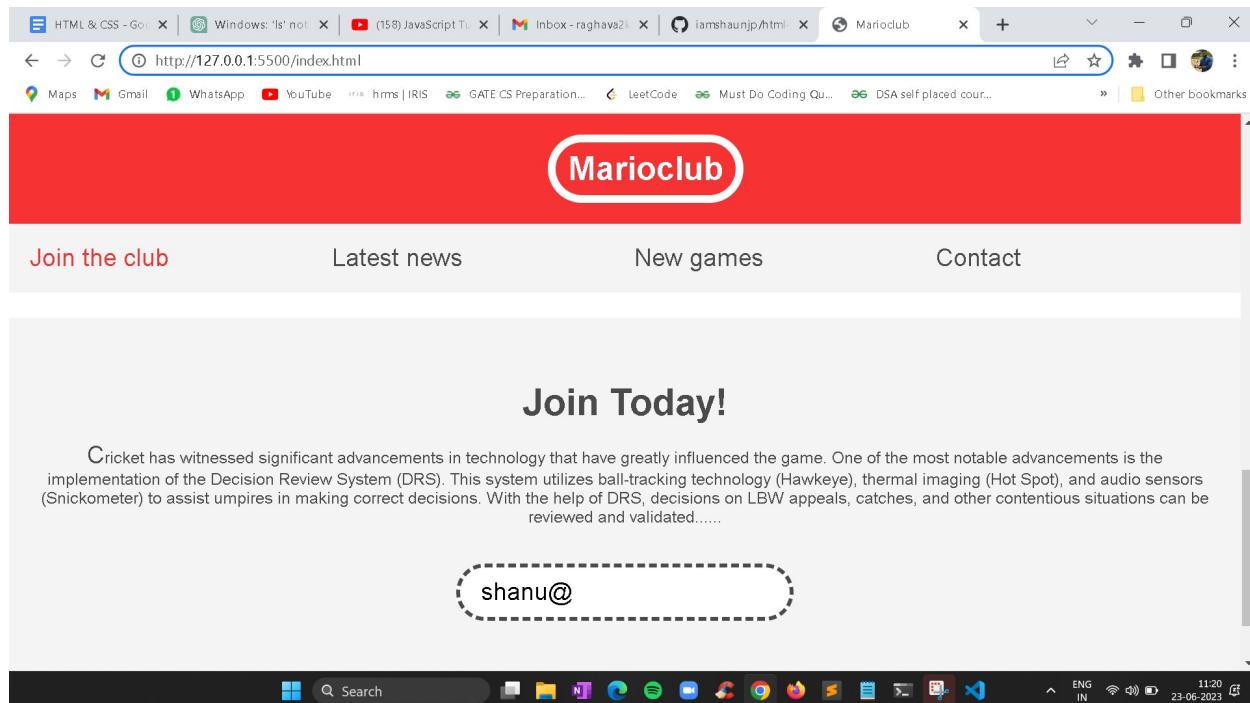
article p::first-line{
    font-weight: bold;
    font-size: 1.2em;
}

section.join p::first-letter{
    font-size: 1.5em;
}

p::selection{
    background-color: #F63232;
    color: white;
}

p::after{
    content: '.....';
}
```

O/P:



10. Intro to Media Queries

Responsive Design

Media Queries

Tell the browser how to style an element at particular viewport dimensions

Viewport meta tag

Tells the browser what width the viewport should be

Responsive images

Only load smaller images for mobile devices

Manoclub Responsive Web Design Viewport

https://www.w3schools.com/css/css_rwd_viewport.asp

HTML CSS JAVASCRIPT SQL PHP MORE ▾ REFERENCES ▾ EXERCISES

- CSS object-fit
- CSS Buttons
- CSS Pagination
- CSS Multiple Columns
- CSS User Interface
- CSS Variables
- CSS Box Sizing
- CSS Flexbox
- CSS Media Queries
- CSS MQ Examples

CSS Responsive

- RWD Intro
- RWD Viewport**
- RWD Grid View
- RWD Media Queries
- RWD Images
- RWD Videos
- RWD Frameworks
- RWD Templates

two links below to see the difference.



Without the viewport meta tag



With the viewport meta tag

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue duis dolore te feugait nulla facilisi. Nam liber tempor cum soluta nobis eleifend option congue nihil imperdiet domino

<meta name="viewport" content="width=device-width, initial-scale=1.0">

→ The above is added at **index.html**

index.html

```
<!DOCTYPE html>
<html>

<head>
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="styles.css">
    <title>Marioclub</title>
</head>

<body>
    <header>
```

```
<h1>Marioclub</h1>
</header>

<section class="banner">
    
    <div class="welcome">
        <h2>Welcome to <br><span>Marioclub</span></h2>
    </div>
</section>

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    </article>

    <ul class="images">
        <li></li>
        <li></li>
    </ul>
</main>

<section class="join">
    <h2>Join Today!</h2>
    <p>Cricket has witnessed significant advancements in technology that have greatly influenced the game. One of the most notable advancements is the implementation of the Decision Review System (DRS). This system utilizes
```

```

ball-tracking technology (Hawkeye), thermal imaging (Hot Spot), and audio
sensors (Snickometer) to assist umpires in making correct decisions. With the
help of DRS, decisions on LBW appeals, catches, and other contentious
situations can be reviewed and validated.</p>
<form>
    <input type="email" name="email" placeholder="Type email & hit
enter" required>
</form>
</section>

<footer>
    <p class="copyright">Copyright 2019 Marioclub</p>
</footer>

</body>
</html>

```

style.css

```

/* responsive style */

@media screen and (max-width: 1400px){
    .banner .welcome h2{
        font-size: 60px;
    }
    nav li{
        font-size: 18px;
    }
}

@media screen and (max-width: 960px){
    .banner .welcome h2{
        font-size: 40px;
    }
}

@media screen and (max-width: 700px){

```

```
.banner .welcome{  
    position: relative;  
    text-align: center;  
    padding: 10px;  
}  
.banner .welcome br{  
    display: none;  
}  
.banner .welcome h2{  
    font-size: 25px;  
}  
.banner .welcome span{  
    font-size: 1em;  
}  
.images li{  
    width: 100%;  
    margin: 20px auto;  
    display: block;  
}  
}  
  
@media screen and (max-width: 560px){  
  
nav li{  
    font-size: 20px;  
    display: block;  
    width: 100%;  
    margin: 12px 0;  
}  
header{  
    position: relative;  
}  
nav{  
    top: 0;  
}  
}
```

O/P:

← → ⌛

ⓘ http://127.0.0.1:5500/index.html



Maps



Gmail



WhatsApp



YouTube

iris

hrms | IRIS

The image shows the homepage of the Marioclub website. At the top, there is a red header with the word "Marioclub" in white, rounded text. Below the header is a large yellow background featuring a collage of various Mario items and characters, such as coins, wings, and Goombas. In the center-right, Mario is depicted wearing his signature yellow cap with a red "M" and red overalls, holding up a small red question mark block. Below this visual, the text "Welcome to Marioclub" is displayed in a large, bold, white font.

Join the club

Latest news

New games

Contact