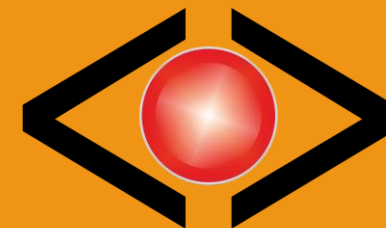


HTML



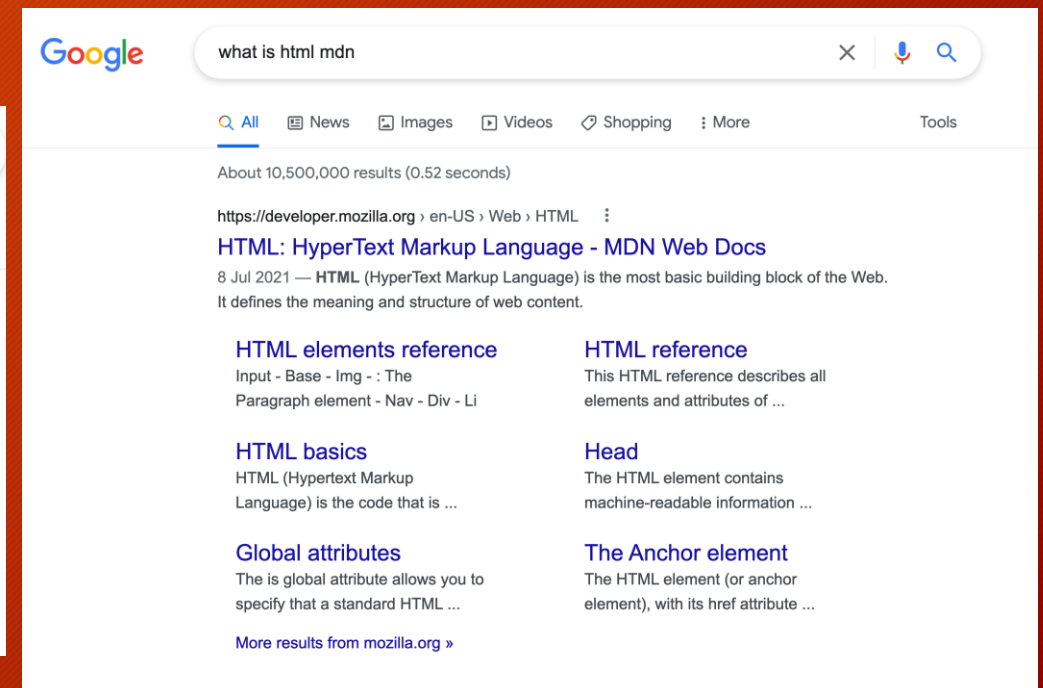
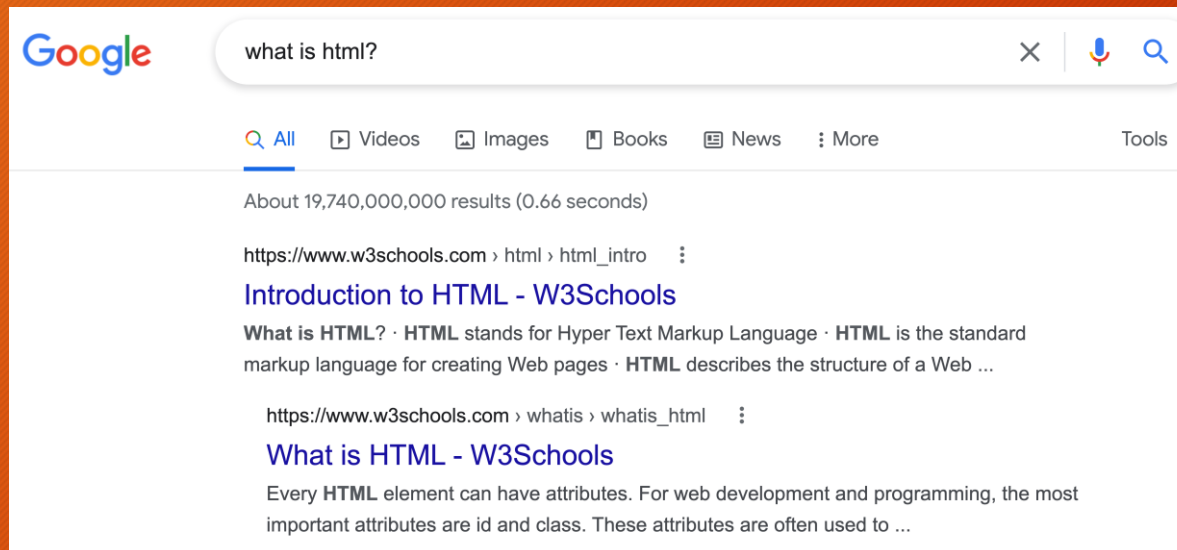
HTML-1 / CLASS-2



How to find answers in coding?



- The best way to have your answers is search in MDN
 - [MDN](#)
- We suggest **DO NOT** use w3schools.



What is HTML?

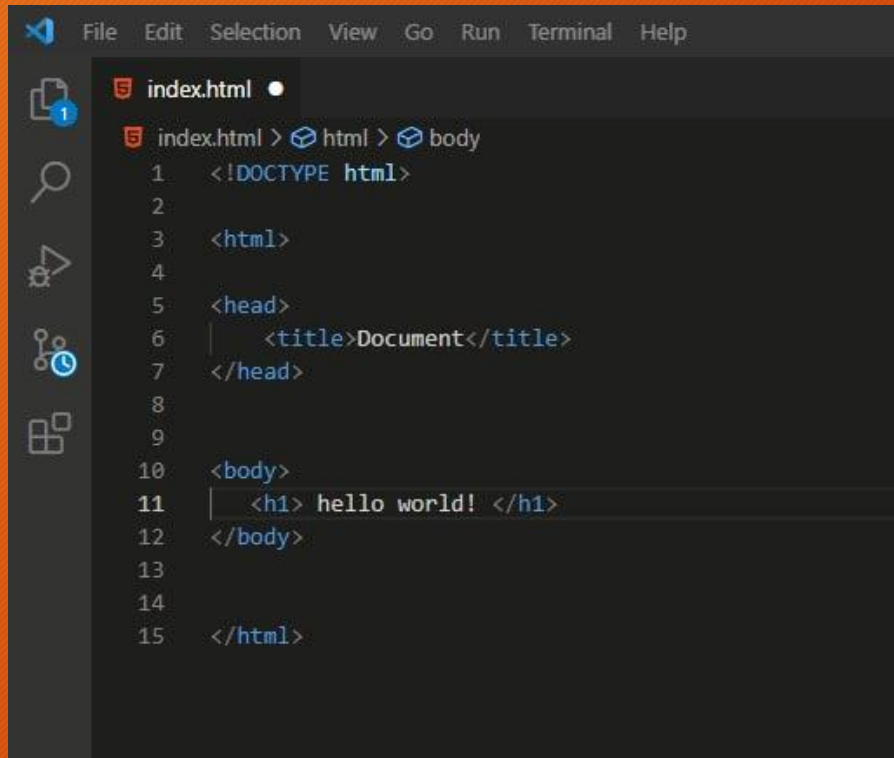


HTML stands for **H**yper**T**ext **M**arkup **L**anguage:

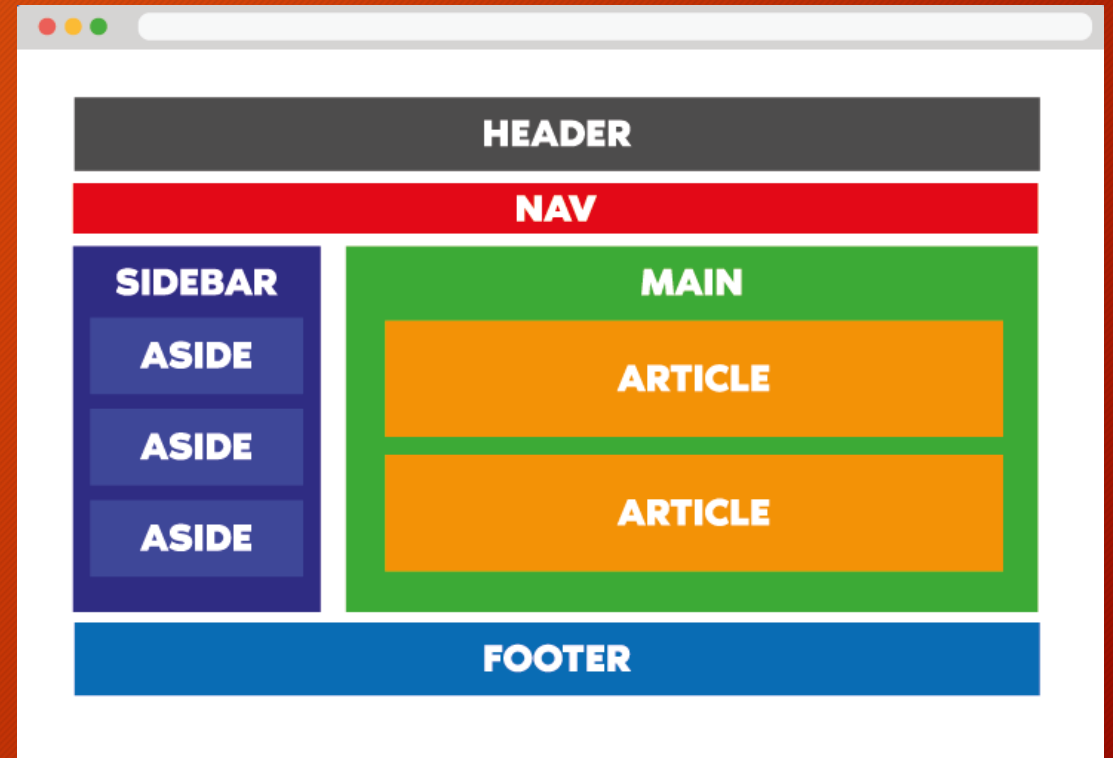
- **HyperText** means that it uses the HTTP part of the Internet
- **Markup** means the code you write is annotated with keywords
- **Language** means it can be read by both a human and a computer

- [more information](#)

Head, Body, Metadata


A screenshot of the Visual Studio Code editor interface. The file explorer on the left shows 'index.html' selected. The editor window displays the following HTML code:

```
1 <!DOCTYPE html>
2
3 <html>
4
5 <head>
6   <title>Document</title>
7 </head>
8
9
10 <body>
11   <h1> hello world! </h1>
12 </body>
13
14
15 </html>
```



HEADER



 HTML Demo: <h1-h6> Reset

HTML CSS

```
1 <h1>Beetles</h1>
2   <h2>External morphology</h2>
3     <h3>Head</h3>
4       <h4>Mouthparts</h4>
5     <h3>Thorax</h3>
6       <h4>Prothorax</h4>
7       <h4>Pterothorax</h4>
8     <h5>New Content</h5>
9       <h6>the last item</h6>
```

Output

Beetles

External morphology

Head

Mouthparts

Thorax

Prothorax

Pterothorax

New Content

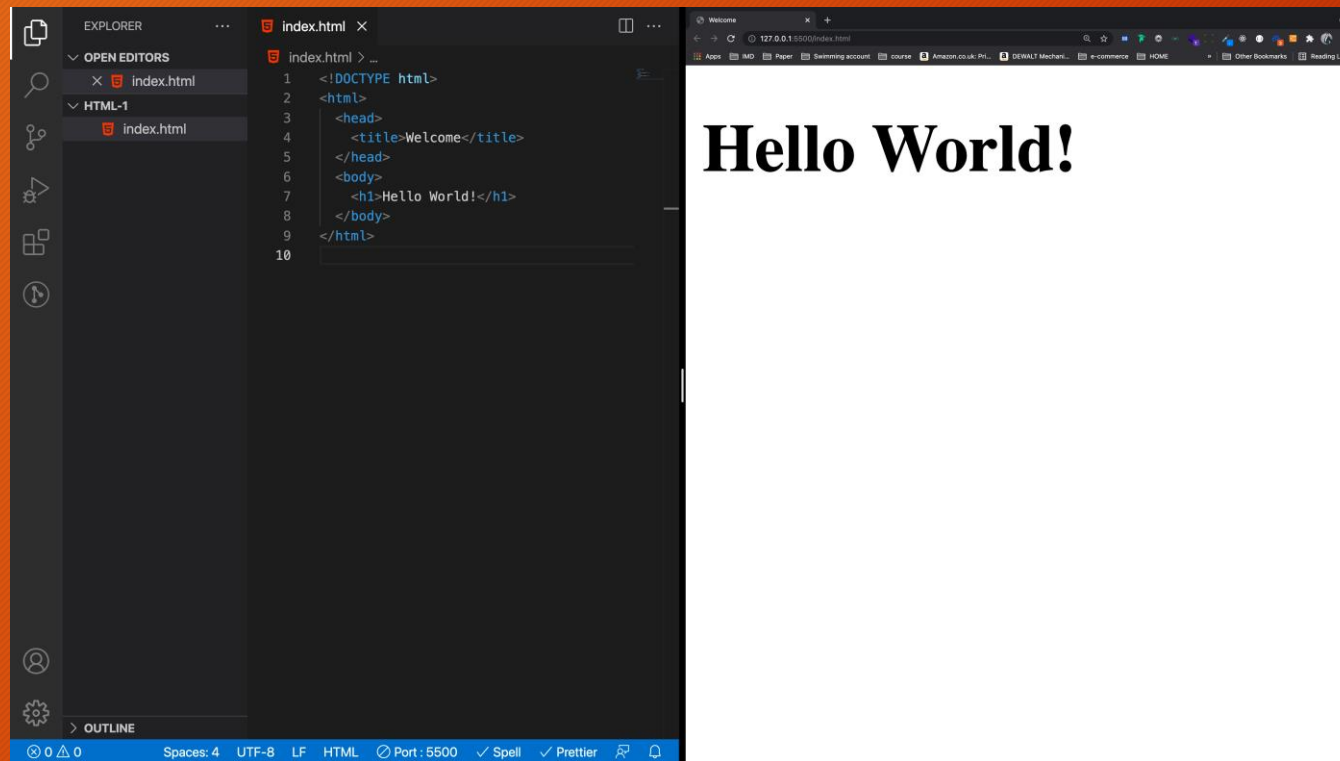
the last item

Hello World!



1. Open your VS Code editor
2. Create a file ('index.html')
3. Use boilerplate to have a template of HTML
4. Inside the body:
 - Make a `<h1> Hello world! </h1>`
5. Right click on your index.html
6. Run it with live server
 - Do you remember where live server came from?

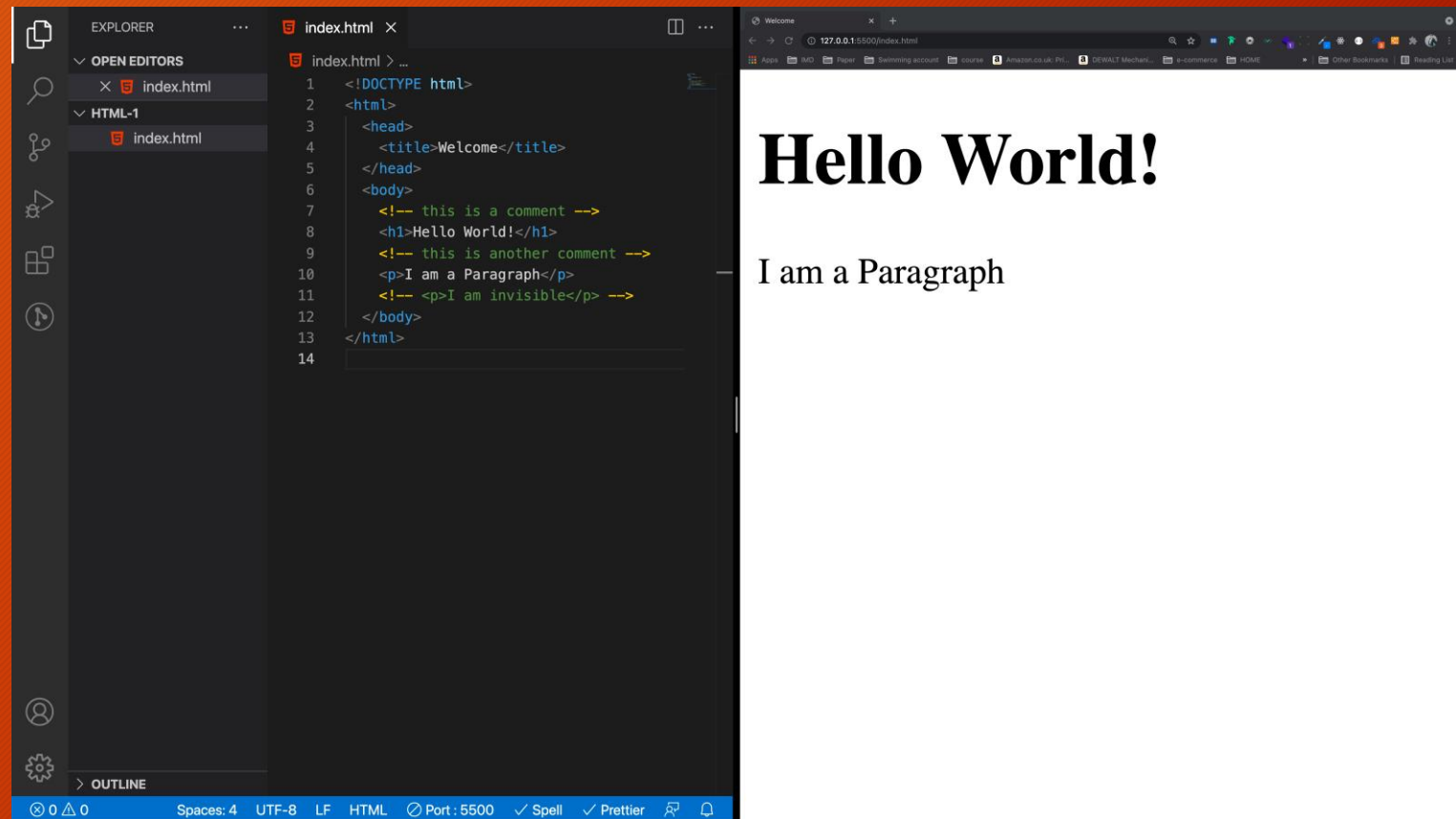
Result



Comment and Paragraph(<p></p>)



- To add a paragraph use p tag
- To comment you should wrap your codes in `<!-- your comment -->`
 - You can use `ctrl + /` to comment as well

A screenshot of the Visual Studio Code editor interface. The Explorer sidebar on the left shows a file named 'index.html'. The main editor window displays the code for 'index.html', which includes a DOCTYPE declaration, a title 'Welcome', a heading 'Hello World!', and a paragraph 'I am a Paragraph'. The paragraph is wrapped in a comment block. The browser preview on the right shows the rendered HTML, displaying 'Hello World!' in a large font and 'I am a Paragraph' in a smaller font. The status bar at the bottom indicates the file is in UTF-8 encoding and is using the Prettier formatter.

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Welcome</title>
5 </head>
6 <body>
7 <!-- this is a comment -->
8 <h1>Hello World!</h1>
9 <!-- this is another comment -->
10 <p>I am a Paragraph</p>
11 <!-- <p>I am invisible</p> -->
12 </body>
13 </html>
14
```


quiz

Please use a header and paragraph tag to write your name and one of your hobbies.

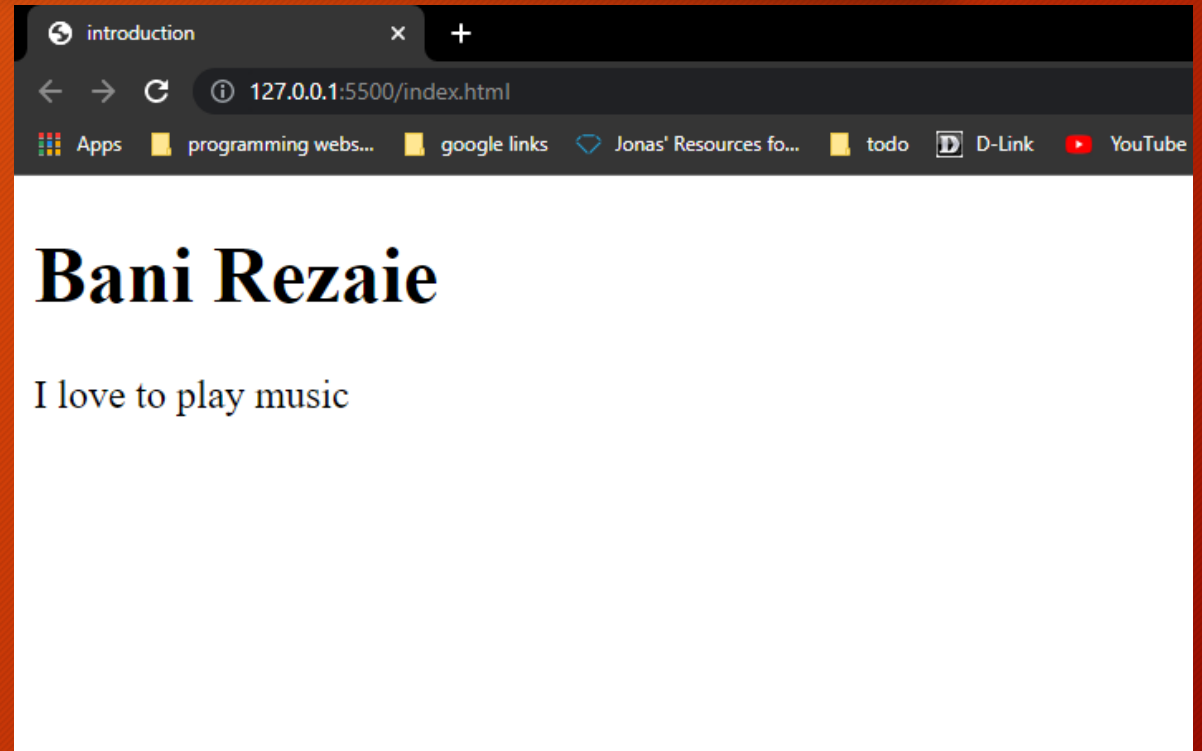
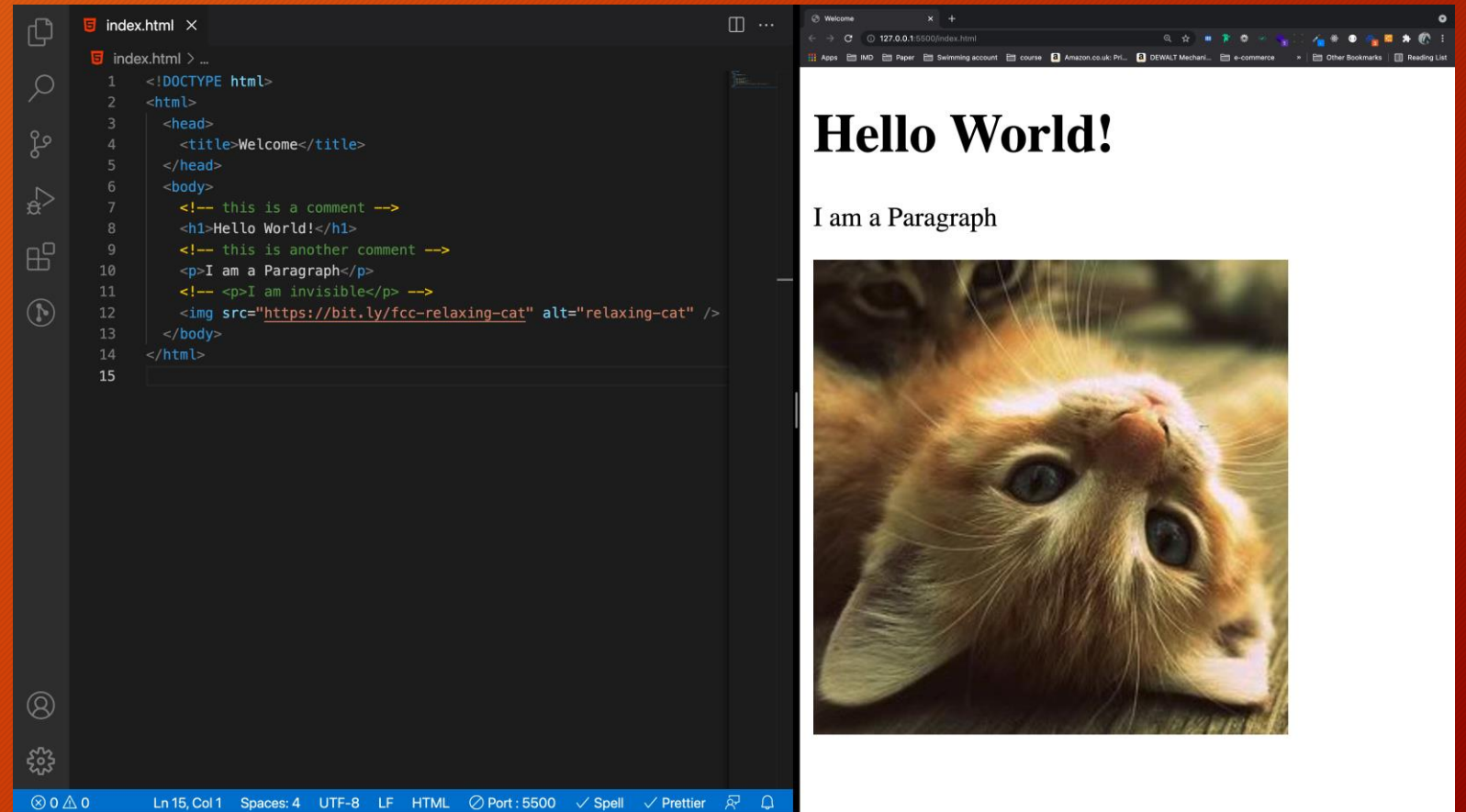


Image tag



- It is a self closing tag!!!
- src
- alt



Make a list



- Unordered list
- Ordered list

index.html


```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>Welcome</title>
5   </head>
6   <body>
7     <!-- this is a comment -->
8     <h1>Hello World!</h1>
9     <!-- this is another comment -->
10    <p>I am a Paragraph</p>
11    <!-- <p>I am invisible</p> -->
12    
13
14    <ul>
15      <li>Item A</li>
16      <li>Item B</li>
17      <li>Item C</li>
18    </ul>
19
20    <ol>
21      <li>First item</li>
22      <li>Second item</li>
23      <li>Third item</li>
24    </ol>
25
26  </body>
27 </html>
28
```

Welcome

127.0.0.1:5500

Hello World!

I am a Paragraph



- Item A
- Item B
- Item C

1. First item
2. Second item
3. Third item

0 0 Ln 28, Col 1 Spaces: 4 UTF-8 LF HTML Port : 5500 Spell Prettier

QUIZ

Create a list of images

Should it be an ordered list or an unordered list? Why?

Anchor



- creates a hyperlink to web pages, files, email addresses, locations in the same page, or anything else a URL can address.
- External link
- Dead link
- Refresh


```
index.html
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>Welcome</title>
5   </head>
6   <body>
7     <!-- this is a comment -->
8     <h1>Hello World!</h1>
9     <!-- this is another comment -->
10    <p>I am a Paragraph</p>
11    <!-- <p>I am invisible</p> -->
12    
13
14    <ul>
15      <li><a href="https://www.google.com/">link to google</a></li>
16      <li><a href="#">Dead link</a></li>
17      <li><a href="#">Refresh page</a></li>
18    </ul>
19
20  </body>
21 </html>
22
```

Welcome

127.0.0.1:5500

Hello World!

I am a Paragraph



- [link to google](https://www.google.com/)
- [Dead link](#)
- [Refresh page](#)

Ln 22, Col 1 Spaces: 4 UTF-8 LF HTML Port: 5500 ✓ Spell ✓ Prettier

Internal link



- What is ID?
 - must be unique in the whole document
- Internal link
 - Its purpose is to identify the element when linking

index.html

```
1 <html>
2 <head>
3   <title>Welcome</title>
4 </head>
5 <body>
6
7
8
9   <a href="#link">-----> LINK FROM HERE <-----</a>
10
11   <!-- this is a comment -->
12   <h1>Hello World!</h1>
13   <!-- this is another comment -->
14   <p>I am a Paragraph</p>
15   <!-- <p>I am invisible</p> -->
16   
17   <ul>
18     <li><a href="https://www.google.com/">link to google</a></li>
19     <li><a href="#">Dead link</a></li>
20     <li><a href="/">Refresh page</a></li>
21   </ul>
22   <ol>
23     <li>First item</li>
24     <li>Second item</li>
25     <li>Third item</li>
26   </ol>
27
28   <p id="link">-----> LINK TO HERE <-----</p>
29
30
31 </body>
32 </html>
33
```


Welcome

127.0.0.1:5500/#link

> LINK FROM HERE <----->

Hello World!

I am a Paragraph



- [link to google](https://www.google.com/)
- [Dead link](#)
- [Refresh page](/)

1. First item
2. Second item
3. Third item

-----> LINK TO HERE <-----

Input



- [MDN input documentary](#)
- Text
- Checkbox
- Radio
- Email
- Password
- Date

```
<input type="text">
```

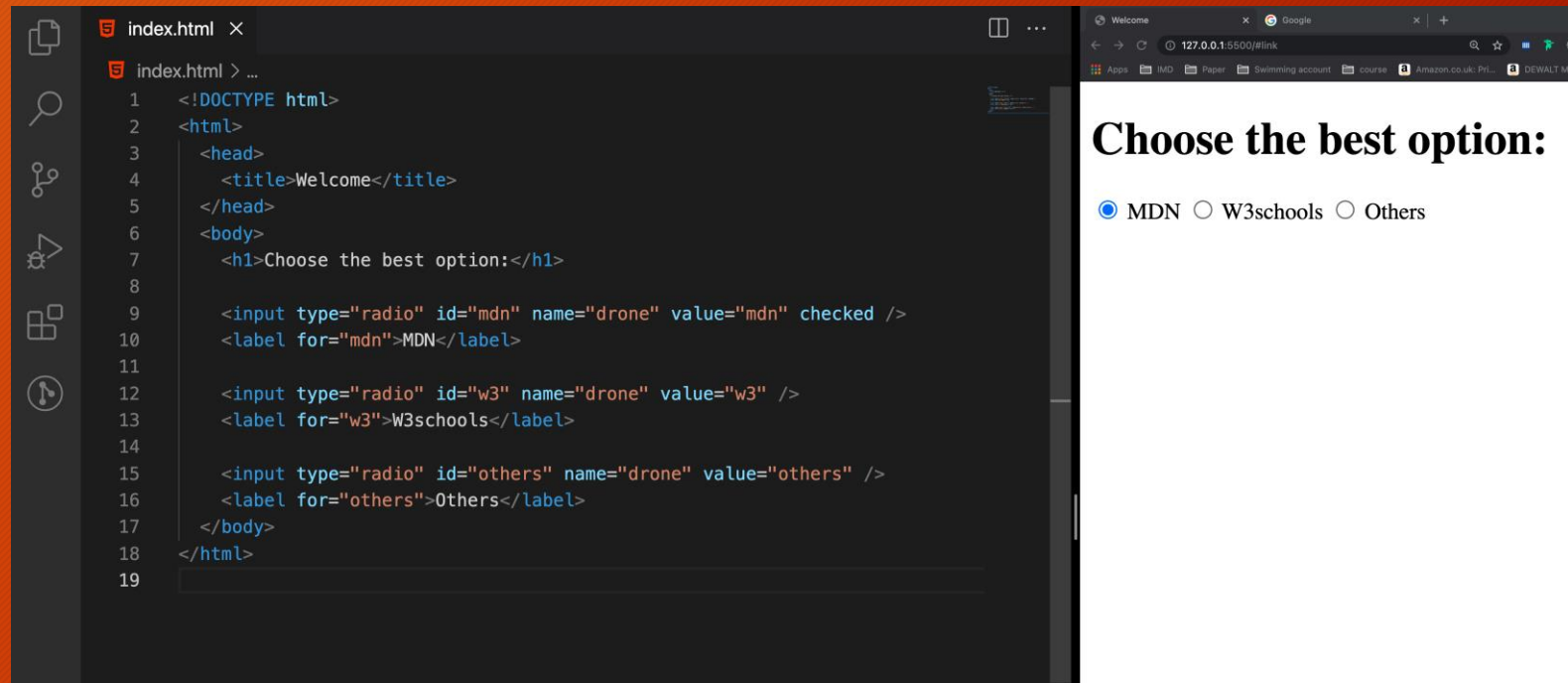
Label



- for
- id
- value

Hint:

- “for” should be same as “id”
- It says which one has been clicked
- The value is what you send to server

A screenshot showing a code editor (VS Code) and a web browser. The code editor displays an HTML file named 'index.html' with the following content:

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>Welcome</title>
5   </head>
6   <body>
7     <h1>Choose the best option:</h1>
8
9     <input type="radio" id="mdn" name="drone" value="mdn" checked />
10    <label for="mdn">MDN</label>
11
12    <input type="radio" id="w3" name="drone" value="w3" />
13    <label for="w3">W3schools</label>
14
15    <input type="radio" id="others" name="drone" value="others" />
16    <label for="others">Others</label>
17  </body>
18 </html>
19
```

The web browser shows the rendered output of this code, displaying the heading 'Choose the best option:' and three radio button options: 'MDN' (which is selected), 'W3schools', and 'Others'. The browser's address bar shows the local URL '127.0.0.1:5500/#link'.

Div




- BAD PRACTICE
- Use Semantic HTML instead of div
- HTML5 brings Semantic HTML
- Div is awful for SEO (Search Engine Optimization)

HTML

CSS

```
1 <div>div:</div>
2
3 <div>It's NOT the best practice to use divs, use Semantic
  HTML</div>
4
5 <div id="div1"> </div>
6
7 <div id="div2"> </div>
8
9 <div id="div3"> </div>
```

Output

div:
It's NOT the best practice to use divs, use
Semantic HTML



```
index.html x
index.html > ...
1  <!DOCTYPE html>
2  <html>
3    <head>
4      <title>Welcome</title>
5    </head>
6    <body>
7      <button>Click me</button>
8    </body>
9  </html>
10
```

Welcome Google
127.0.0.1:5500/#link
Apps IMD Paper Swimming account course a Ar

Click me

Button

- used to submit forms or anywhere in a document for accessible, standard button functionality.



Select / Option



```
index.html ×
index.html > ...
1  <!DOCTYPE html>
2  <html>
3    <head>
4      <title>Welcome</title>
5    </head>
6    <body>
7      <!-- <p>example from MDN Web Docs</p> -->
8      <label for="pet-select">Choose a pet:</label>
9
10     <select name="pets" id="pet-select">
11       <option value="">--Please choose an option--</option>
12       <option value="dog">Dog</option>
13       <option value="cat">Cat</option>
14       <option value="hamster">Hamster</option>
15       <option value="parrot">Parrot</option>
16       <option value="spider">Spider</option>
17       <option value="goldfish">Goldfish</option>
18     </select>
19   </body>
20 </html>
21
```

Choose a pet:

--Please choose an option-- ▾

Choose a pet:

✓ --Please choose an option--

Dog

Cat

Hamster

Parrot

Spider

Goldfish

Further learning



- ``
- ``
- `</hr>`
- `</br>`

Thanks for listening, APS

