

The background is a solid dark purple. It is decorated with various geometric shapes and patterns: a large dark blue circle in the center; a pink circle with diagonal stripes on the left; a blue circle with a dotted pattern below it; a yellow zigzag line on the far left; a yellow triangle at the bottom left; a pink circle with diagonal stripes on the right; a blue circle with a dotted pattern below it; a yellow zigzag line on the far right; a yellow triangle at the bottom right; a pink circle with diagonal stripes on the right; a blue circle with a dotted pattern below it; a yellow zigzag line on the far right; a yellow triangle at the bottom right; a pink circle with diagonal stripes on the right; a blue circle with a dotted pattern below it; a yellow zigzag line on the far right; a yellow triangle at the bottom right. The text "Introduction to HTML" is centered in the large dark blue circle.

Introduction to HTML

1. HTML



HTML



- ① HTML - Hyper Text Markup Language
- ① HTML is a descriptive language, not a programming one.
- ① The latest version is HTML5



2.

Elements and tags



Elements



- ① The name of the html document should be index.html
- ① DOCTYPE - to set the HTML5 version, first line should look like that:

```
File Edit Selection View Go Run Terminal Help • index.html - example - Visual Studio Code
EXPLORER
  OPEN EDITORS 1 UNSAVED
  EXAMPLE
    index.html
  OUTLINE
  NPM SCRIPTS
index.html
1 <!DOCTYPE html>
2 |
Ln 2, Col 1 Spaces: 4 UTF-8 CRLF HTML Go Live
```

Elements



Visual Studio Code

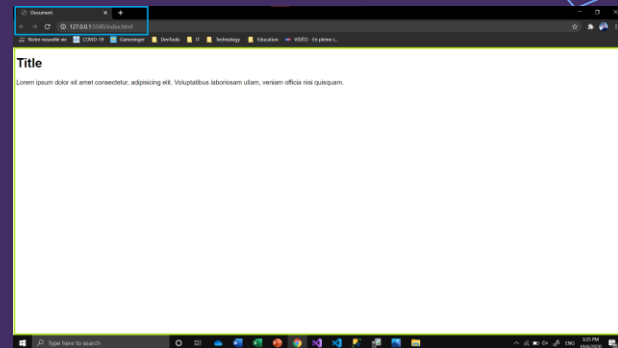
```
1 <!DOCTYPE html>
2 <html lang='en'>
3 <head>
4 <meta charset='UTF-8'>
5 <meta name='viewport' content='width=device-width'
6 <title>Document</title>
7 </head>
8 <body>
9 <h1>Title</h1>
10 <p>Lorem ipsum dolor sit amet consectetur, adipis
11 </body>
12 </html>
13
14
```

Description

Between *html* tags there are *head* and *body* tags.

You can see where they are showing in the browser.

Browser



Tags



- ① First opened is closing last.
- ① Two types of tags
 - Single `
`, `<hr/>` etc.
 - Opening and closing
 - `<h1>Title</h1>`
 - Opening `<h1>`
 - Closing `</h1>`
- ① Tag construction:

`<html lang="en">`

tag name attribute

attribute's value



3.

Attributes of **body** tag



Attributes of `body` tag



- `bgcolor="color"` - set the background color to that in attribute's value
- `background="img/image.jpg"` - set the background to the picture in attribute's value
- `text="color"` - set the text color to that in attribute's value



4.

Tags for title styling



Tags for title styling



h1 is the biggest title and h6 is the smallest

- `<h1>Title 1</h1>`
- `<h2>Title 2</h2>`
- `<h3>Title 3</h3>`
- `<h4>Title 4</h4>`
- `<h5>Title 5</h5>`
- `<h6>Title 6</h6>`



5.

Tags for characters formatting



Tags for characters formatting

- ① `text` - bold `text` → **text**
- ① `<i>text</i>` - italic `text` → *text*
- ① `<u>text</u>` - underline `text` → text
- ① `text¹` - superscript `text1` → `text`¹
- ① `text₂` - subscript `text2` → `text`₂



6.

Setting colors



Setting colors



- ① With the name of the color in English. Not recommended

Example: `<body text="red">`

- ② With Hex Color Code. Recommended

Example: `<body text="#ff9900">`



7.

Tags for placement and
alignment



Tags for placement and alignment



- ① `
` - line break (goes to a new line)
- ① `<p>This is a paragraph.</p>` - makes the text between tags a paragraph
- ① `<hr/>` - horizontal line
- ① `<blockquote>This is a quote.</blockquote>` - makes the text between tags a quote

Tags for placement and alignment



- ① `<pre>Preformatted text</pre>` - it will display the text exactly as written in the source code
- ① `<nobr>long text</nobr>` - never goes to a new line no matter what is the length of the text
- ① `<center>text</center>` - set the text center-align on the row



8.

The attribute **align** of a
paragraph



The attribute **align** of a paragraph



```
<p align="left | right | center | justify">
```

- ⦿ align="left" - set the text left-align
- ⦿ align="right" - set the text right-align
- ⦿ align="center" - set the text center-align
- ⦿ align="justify" - set stretch the text of paragraph to set the width of all lines equal



Thanks!

Any questions?

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Useful links:

<https://www.w3schools.com/>

<https://developer.mozilla.org/en-US/>