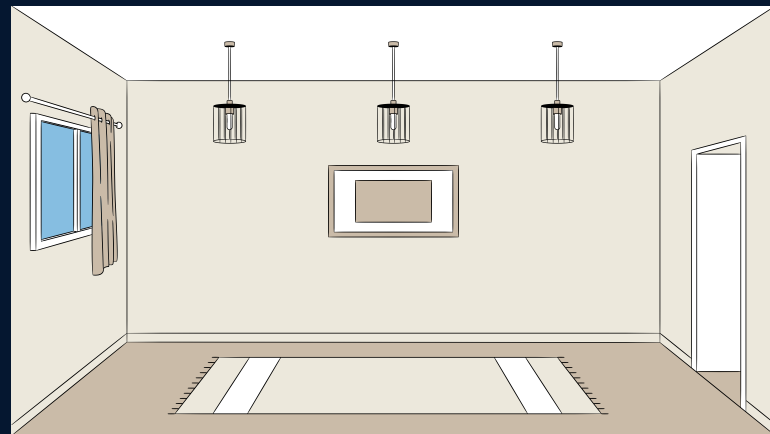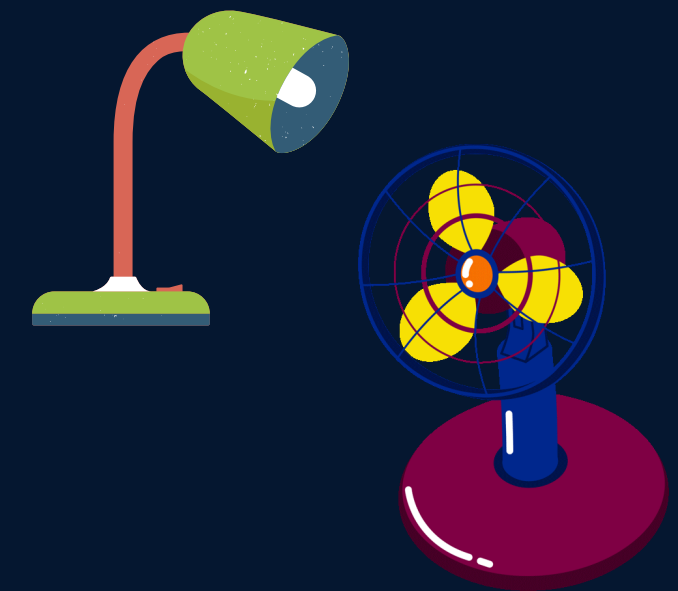# HTML

CSS

JS

Structure/layout

Style

Logic

Level 1

HTML

Hyper Text Markup Language

HTML is the code that is used to structure a web page and its content.

The component used to design the structure of websites are called HTML tags.

First HTML File

index.html

It is the default name for a website's homepage

HTML Tag

A container for some content or other HTML tags

<p> This is a paragraph </p>

Content

Element

Basic HTML Page

```html
<!DOCTYPE html>          tells browser you are using HTML5

<html>                   root of an html document

    <head>               container for metadata

        <title>My First Page</title>     page title

    </head>

    <body>               contains all data rendered by the browser

        <p>hello world</p>     paragraph tag

    </body>

</html>
```

Quick Points 🚀

Html tag is parent of head & body tag

Most of html elements have opening & closing tags
with content in between

Some tags have no content in between, eg -

We can use inspect element/view page source to edit html

Comments in HTML

This is part of code that should not be parsed.

<!-- This is an HTML Comment -->
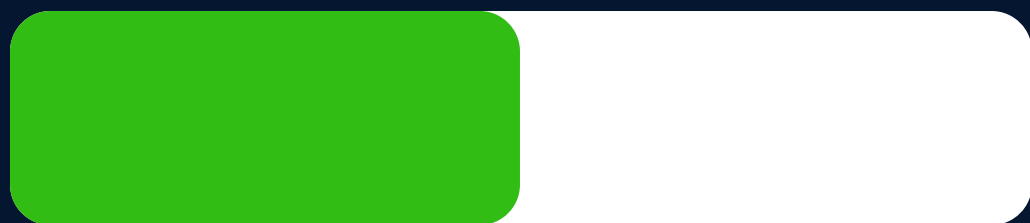
HTML is NOT case sensitive

<html> = <HTML>

<p> = <P>

<head> = <HEAD>

<body> = <BODY>

Level 2

Basic HTML Tags

HTML Attributes

Attributes are used to add more information to the tag

```html
<html lang="en">
```

Heading Tag

Used to display headings in HTML

h1   **(most important)**

h2

h3

h4

h5

h6   **(least important)**

Paragraph Tag

Used to add paragraphs in HTML

<p> This is a sample paragraph </p>

Anchor Tag

Used to add links to your page

```
<a href="https://google.com"> Google </a>
```

Image Tag

Used to add images to your page

```
<img src="/image.png" alt="Random Image">
```

↑
relative url

Br Tag

Used to add next line(line breaks) to your page

`<br>`

Bold, Italic & Underline Tags

Used to highlight text in your page

** Bold **

<i> Italic </i>

<u> Underline </u>

Big & Small Tags

Used to display big & small text on your page

`<big>` Big `</big>`

`<small>` Small `</small>`

Hr Tag

Used to display a horizontal ruler, used to separate content

`<hr>`

Subscript & Superscript Tag

Used to display a horizontal ruler, used to separate content

\<sub\> **subscript** \</sub\>

H_2O

\<sup\> **superscript** \</sup\>

$A^n + B$

Pre Tag

Used to display text as it is (without ignoring spaces & next line)

<pre> This

is a sample

text.

</pre>