

HTML: the content of webpage

CSS: designs, color

JS: functionality

HTTP: Hyper Text Transfer protocol.

DNK:

Domain name

google.com

IP Address

216.3.128.12

DNS:

Transfer Domain to IP address.

Root server .com.org..

Top level Domain .com.org

Authoritative nameserver google.com

CDN:

Content Delivery Network.

What is REST:

CRUD

get open a list of resource.

post create new user

put updates the resource

Delete delete the resource with given ID.

HTTP:

a protocol communication between web server and clients.

Every request is independent

HTTPS:

a ~~secure~~ encrypted protocol

# HTTP status codes

(~~xx~~ Information)

2XX - success

3XX Redirect

4XX Client error

5XX Server error

200 - OK <sup>but</sup>

201 - OK Created

301 - moved to new URL

304 - not modified

400 - bad request (not right data)

401 - unauthorized (missing token)

404 - not found

500 - Internal server error

HTML is not a programming language.  
markup language for creating web page.  
Building blocks of the web

index.html is the main page

tag syntax.

(tag > content (/tag)).

(br /> self closing).

(br /> & in HTML5).

(h1) heading 1.

HTML page structure.

</html>

<head>  
<title>page</title>  
<head>

<body>

<h1> This is a heading (h1)

<p> ~~~~~ </p>

<p> ~~~~~ </p>

</body>

<!DOCTYPE html>

~~Block level~~

## On Inline Elements:

Do not start on a new line  
take only the necessary width

<span>, <img>, <a>

## Block Elements:

Start on a new line  
take full width available

<div>, <h1>, <h2>, <p>, <form>

<strong> - bold

<em> - italic style

<a href="#"> - link

location: like google search

target=\_blank - open new page

ex. <a href="http://www.google.com"  
target="blank">

## Tag attributes.

<h1 title="my component"> above us

<h1>

<ul>

<li> item 1 <li>

<ul>

<ol>

<ol>

## Table

<table>

<thead>

<tr>

<td>

<th>

<td>

<td>

<tbody>

Tag attributes.

<h1 title = "my company">

above us

<h1>

<ul>

<li> Item 1 <li>

li is bulletpoint

<ul>

Item  
1  
2  
3

<ol>

vn ordered, like 1.

<ol>

2.  
3.

Table

tr - table row

<table>

<thead>

<tr>

<th> name </th>

<td>

for data  
~~data~~

<tr>

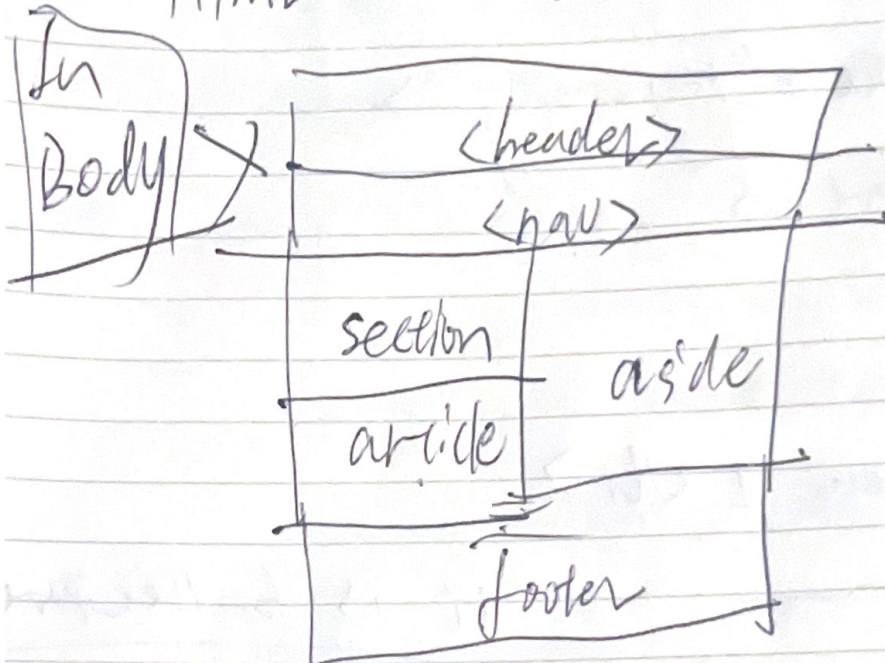
<th> value </th>

<tr>

<td> value </td>

<tr>

# HTML 5 Semantic Tags



It's for better order and soft to understand the code better.

(menu) is about data  
(head) is tag