

# HTML & CSS

# HTML

## GROUP #1

HTML structure and meta tags(description and charset="UTF-8", viewport):

```
<!DOCTYPE html>
```

```
<html>  
  <head>
```

```
    <title>ProgrammerTech</title>
```

```
    <meta name="viewport"  
  content="width=device-width,initial-  
<meta charset="utf-8">  
  <meta ename="description" content="ا
```

```
</head>
```

```
<body>
```

```
</body>
```

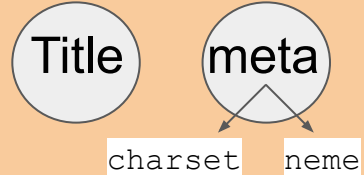
```
</html>
```



ISO-8859-1 was the default character set for HTML 4. This character set supported 256 different character codes. HTML 4 also supported UTF-8.

### HTML structure

#### HEAD



#### BODY

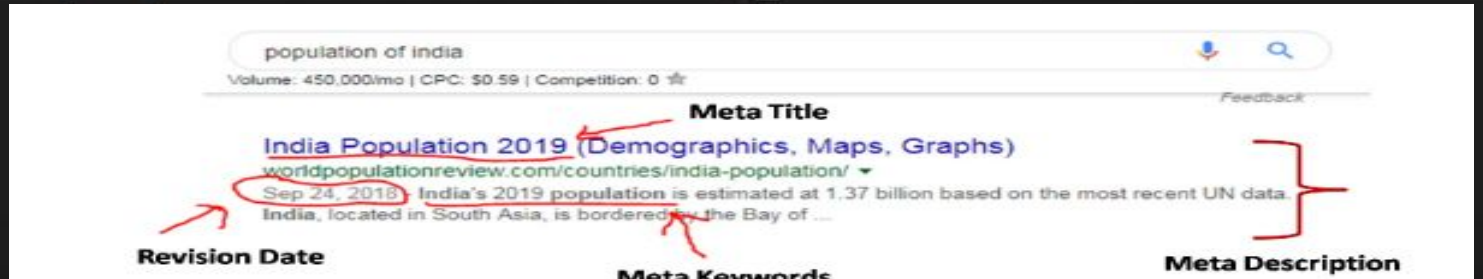
محتوى الصفحة

html structure and meta tags(author, keywords, add title for web page)

## GROUP #2 Tag group

index.html > html > head > meta

```
1  <!DOCTYPE html>
2
3  <html>
4  <head>
5      <title>My first website</title>
6      <meta charset="UTF-8">
7      <meta name="description" content="Free HTML tutorial for beginners">
8      <meta name="keywords" content="HTML, tutorial, beginners">
9      <meta name="author" content="Bro Code">
10     <meta name="viewport" content="width=device-width, initial-scale=1.0">
11     <meta http-equiv="refresh" content="30">
12
13 </head>
14 <body>
15
16 </body>
```



# GROUP #3

## Inline and Block elements and the difference between them

**Block elements:** A block-level element always takes up the full width available

Like: `<div>` `<p>` `<h1>` .. `<h6>` `<ul>` `<ol>`

**Inline:** inline element only takes up as much width as necessary, not start a new line and are displayed without line breaks

`<b>` `<a>` `<strong>` `<span>` `<br>` `</img>`

```
Get Started  <> index.html U x  imag.jpg U
<> index.html > html
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <title>html</title>
5      </head>
6      <body>
7          <h1>example block1</h1>
8          <h3>example block2</h3>
9          <span>example inline1</span>
10         
11     </body>
12 </html>
```

**example block1**

**example block2**

example inline1



# Html5 VS Html

## Html5

يدعم تشغيل الفيديو و الصوت من خلال اضافة العناصر  
لانه مدعوم من قبل جميع المتصفحات

JavaScript يسمح بتشغيل

أكثر تجاوبا مع الجوّال HTML5 لغة

JS يمكن للمرء تتبع الموقع الجغرافي للمستخدم بسهولة باستخدام  
GeoLocation API.

<aside>      <data>      <canvas>  
   <audio>

## Html

الصوت و الفيديو لا يعمل على جميع المتصفحات

javascript لا يسمح بتشغيل

أقل تجاوبا مع الأجهزة المحمولة HTML عد الإصدار الأقدم من

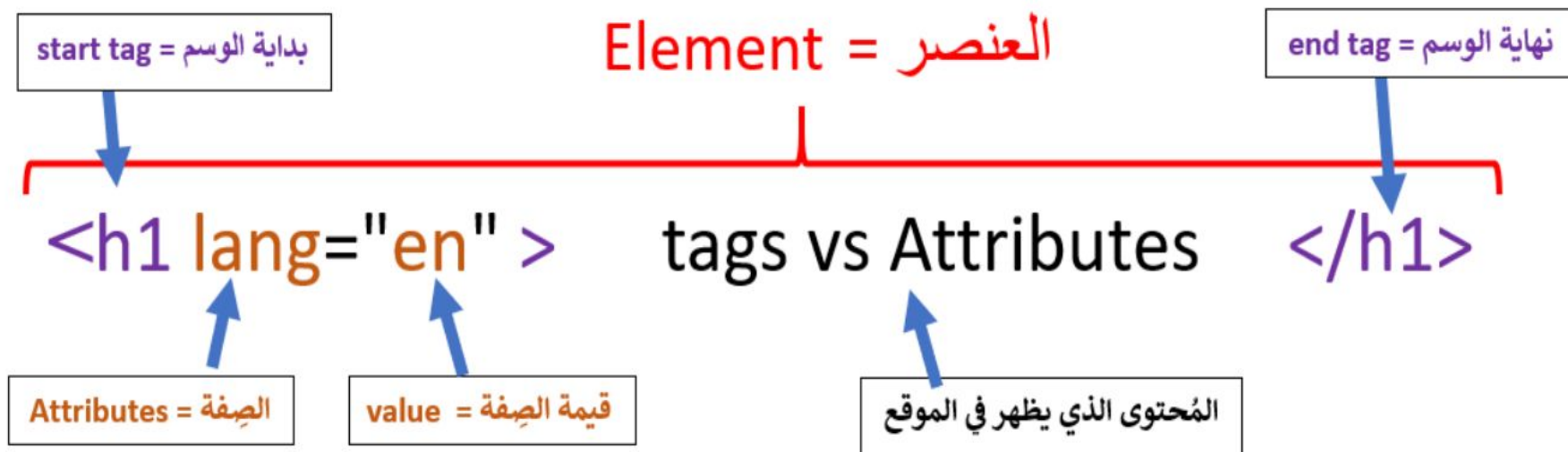
كاد يكون من المستحيل الحصول على الموقع الجغرافي الحقيقي  
للمستخدم بمساعدة المتصفح

امثله على الوسوم التي تمت اضافتها على html5



# GROUP #5

## Element vs Tags, Attribute



شرح الفرق بين html element و html tag و html Attribute

# Headings And Semantic Tags

## *Headings*

HTML headings are titles or subtitles that you want to display on a webpage.

Example:

<https://www.w3schools.com/html/tryit.asp?filename=tryhtml>

## *Semantic Tags*

**Non-semantic:** Tells nothing about its content.

<https://simplon.co/contact.html>

**Semantic elements:** Clearly defines its content.

Ex: <article> <aside> <header> <main> <footer>



## The Paragraph element

Block elements

`<p> I am a paragraph </p>`

`<pre> I am a paragraph </pre>`

Tags :

`<hr>`

`<br>`

Another Tags included paragraph:

`<b>`      `</b>`

`<strong>` `</strong>`

`<em>`      `</em>`

`<i>`        `</i>`

`<small>` `</small>`

`<sub>`     `</sub>`

`<sup>`     `</sup>`

`<ins>`     `</ins>`

`<del>`     `</del>`

`<mark>`   `</mark>`



# GROUP #8

## Links +Example (href, target=\_self and \_blank)

```
<html>
<body>

  <h1>Link</h1>

  <a href="https://www.google.com" target="_Blank"
title="Go to Google">Google</a>

  <a href="https://www.Facebook.com" target="_Self"
title="Go to Facebook" >Facebook</a>

</body>
```

### Hyperlinks

- Having the destination anchor of a link directs to an element within an HTML document (internal link) is a relative link, e.g.

```
<h1>Table of Contents</h1>
<p><a href = "#section1"> Introduction </a><br>
<a href = "#section2"> What is Internet</a><br>
.....the body...
<h2><a name="section1"> Introduction </a></h2>
...section 1...
<h2><a name="section2">What is Internet </a></h2>
...section 2...
```

```
1 <a href="link.html"> text link </a> <!-- link to html -->
2 <a href="google.com" URL> Google </a> <!-- link to site -->
3 <a href="link.html"><button> Link </button></a> <!-- Button link -->
4
```