

Day-1 introduction Wevdevelopment and html level-1

Friday, April 25, 2025

6:23 PM

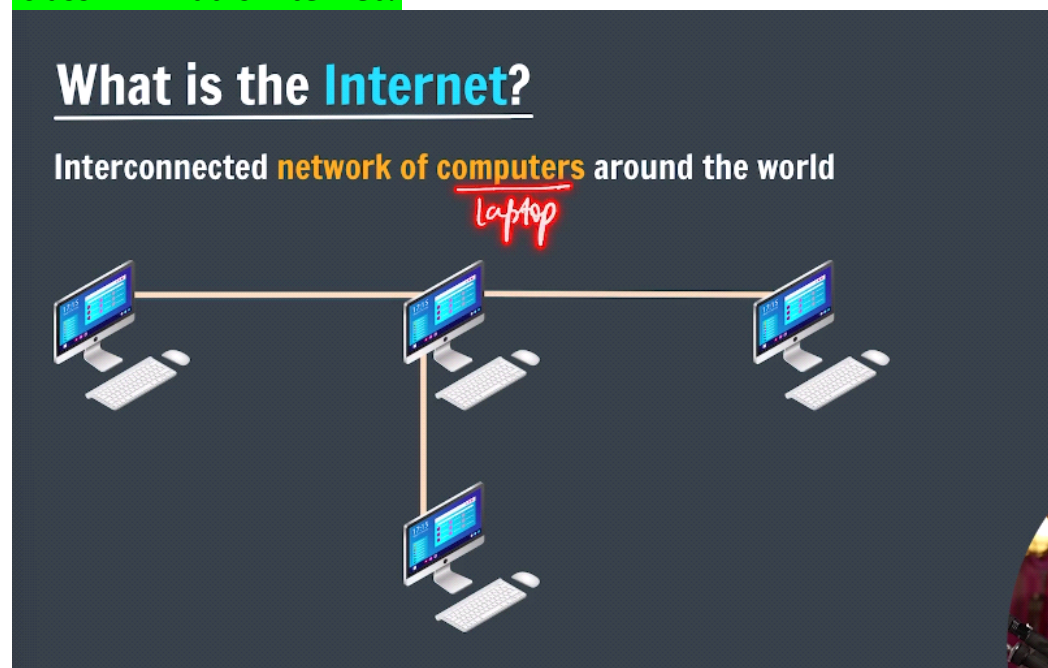
04.INTRODUCTION

Important :

You have to ->Consistant.

->Discipline.

class 2: What is internet?



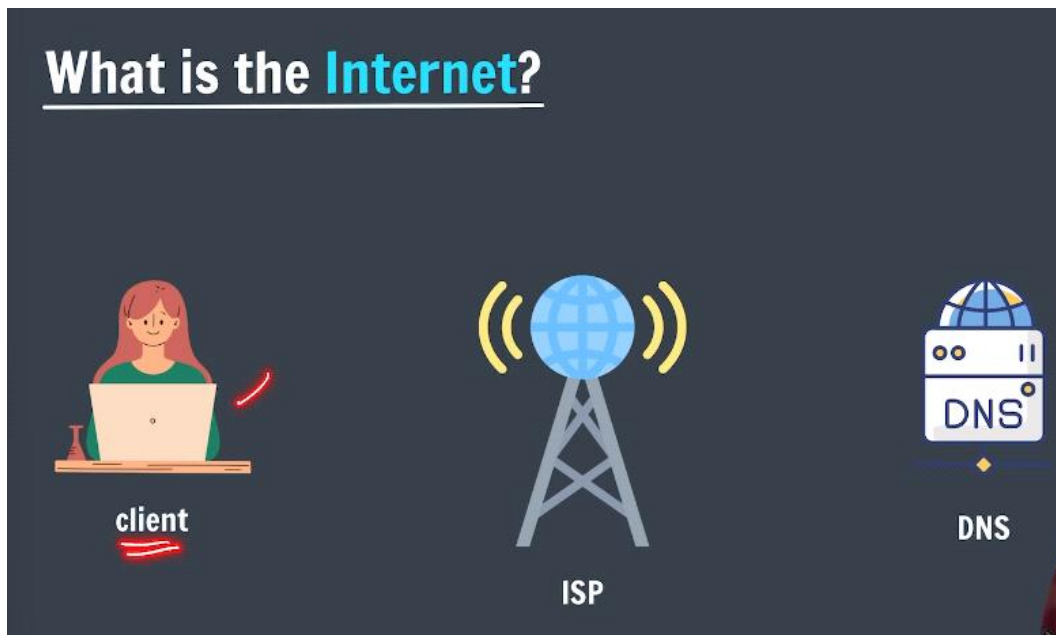
Server: which computer 24/7 are connected with the network .

If any clint computer want to data then server

Send the data .

IP Address : Every computer ,server and device has unique IP address.

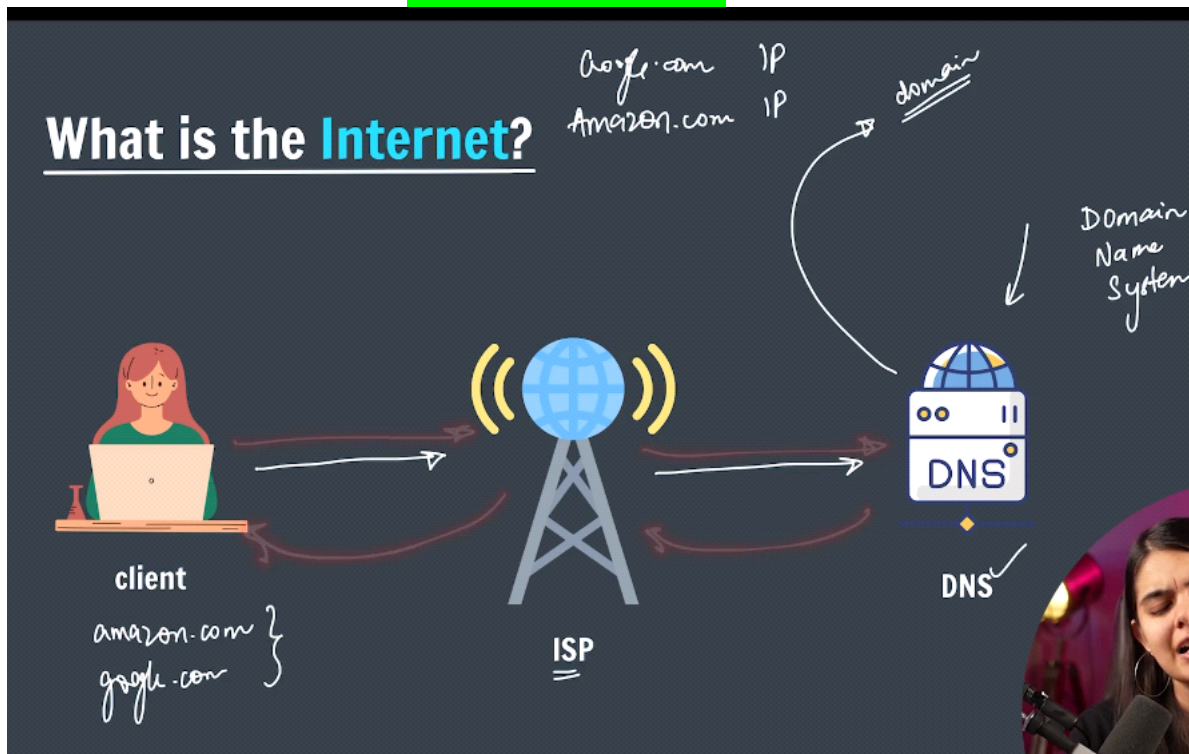
What is the Internet?



Isp: internet service provider

DNS :(Domain Name System) :

Here all domain name er IP address store kora DNS.



NsLookup.io

Q amazon.in

Find DNS records

Find all DNS records for a domain name using this online tool. For example, try wikipedia.org or www.twitter.com to view their DNS records.

NsLookup.io : this website give ip address.

NsLookup.io

Q amazon.in

Find DNS records

Learning Browse

DNS records for amazon.in

Cloudflare Google DNS OpenDNS Authoritative Local DNS



The Cloudflare DNS server responded with these DNS records. Cloudflare will serve these records for as long as the time to live (TTL) has not expired. After this period, Cloudflare will update its cache by querying one of the authoritative name servers.

A records

IPv4 address	Revalidate in
> a 52.95.116.115	12s
> a 54.239.33.92	12s
> a 52.95.120.67	12s

AAAA records

No AAAA records found.

CNAME record

No CNAME record found.

TXT records



Google.com search:

DNS records for **google.com**

Cloudflare Google DNS OpenDNS Authoritative Local DNS



The Cloudflare DNS server responded with these DNS records. Cloudflare will serve these records for as long as the time to live (TTL) has not expired. After this period, Cloudflare will update its cache by querying one of the authoritative name servers.

A records

IPv4 address	Revalidate in
> 142.250.191.78	33s

AAAA records

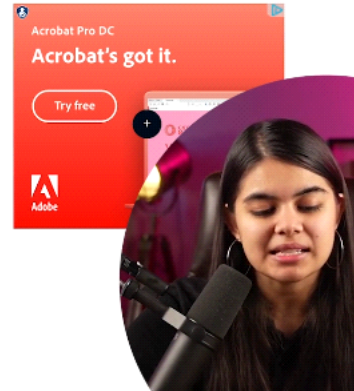
IPv6 address	Revalidate in
> 2607:f8b0:4005:814::200e	2m 45s

CNAME record

No CNAME record found.

TXT records

Site ownership verification



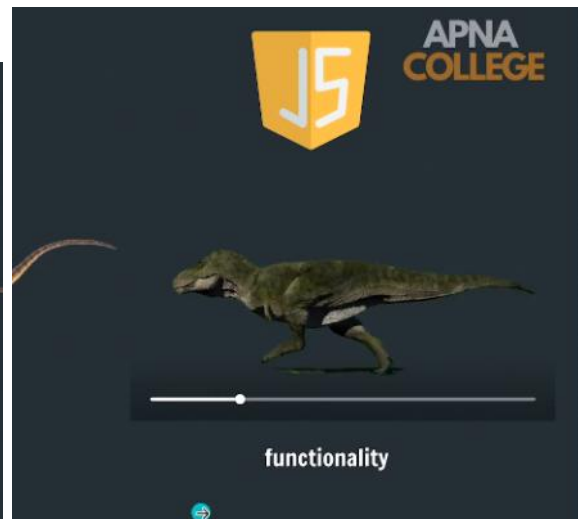
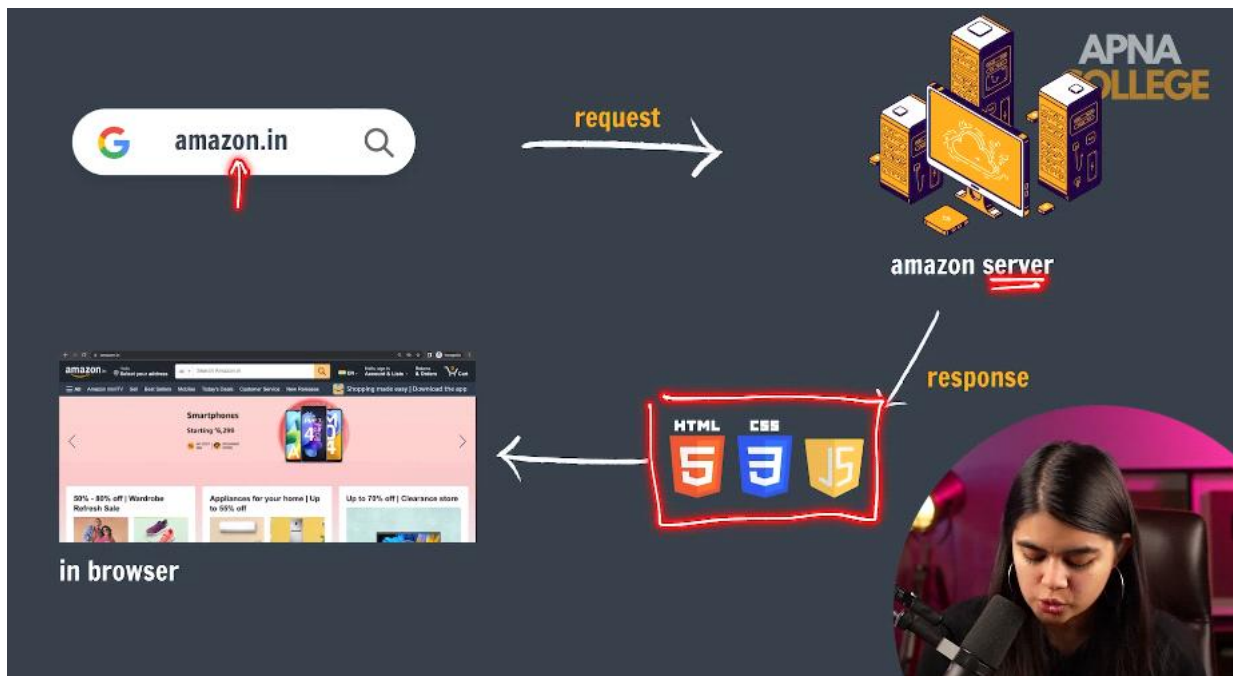
Show the ip address of google.com

====

Class 3: What is web development

What is Web Development?

Building websites for the internet



Functionality: run, show, any work , can done by javascript.download , click, upload, button, color, ..

=====

Frontend: Html, Css, javascript,

Class 4: what will we learn in this course?

What will we learn?

Frontend : HTML, CSS, JavaScript, Bootstrap, Tailwind

Backend : Express, NodeJS

Database : SQL, MongoDB

+ React

Css has 2 framework: Bootstrap, Tailwind.

Bootstrap -> mostly used in industry,

All most time -> used in plain CSS in industry.

Nodejs : create from javascript . If we learn javascript
Then we can learn Nodejs easily.

Data base: SQL, Mongodb.

=====

05 Prerequisites



0. Topic List.jpg

JPG File



01. Prerequisites.mp4

MP4 Video File (VLC)



02. Installation Guide.pdf

Microsoft Edge PDF Docu

Prerequisites

Laptop/ Computer

Internet Connection

Chrome (Browser)

Visual Studio Code (Editor)

Installation Guide

Note - These are **prerequisites** for the course that you should already install to your system (laptop/computer) to be able to code for Delta.

1. Download Chrome Browser

Step 1: Go to https://www.google.com/intl/en_in/chrome/Step

2 : Click on Download Now

You can watch any of these:

Free Video Resource (1) - for Windows :

https://www.youtube.com/watch?v=Ew_ReoK1zMc

Free Video Resource (1) - for Mac:

<https://www.youtube.com/watch?v=WIAeem2BoBw>

2. Download Visual Studio Code

Step 1 : Go to <https://code.visualstudio.com/>

Step 2 : Choose your system (Windows/Mac/Linux) and download Visual Studio Code

You can watch any of these:

Free Video Resource (1) :

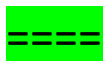
<https://youtube.com/watch?v=bN6DE-4uFNo>

Free Video Resource (2) :









https://www.youtube.com/watch?v=luGaWH_Uf_Y (Mac users only) Free

Video Resource (3) :

<https://www.youtube.com/watch?v=PhK98HN7W2c>



06: Html Level-1

 0. Topic List.jpg	JPG File
 01. Introduction to HTML.mp4	MP4 Video File (VLC)
 02. HTML Elements & Tags.mp4	MP4 Video File (VLC)
 03. Hello World.mp4	MP4 Video File (VLC)
 04. Paragraph Element.mp4	MP4 Video File (VLC)
 05. Heading Elements.mp4	MP4 Video File (VLC)
 06. Practice Qs.mp4	MP4 Video File (VLC)
 07. Boilerplate Code.mp4	MP4 Video File (VLC)

Class1:

HTML

What is HTML?

HyperText Markup Language



structure & formatting

What is HTML?

Normal Text

The 3 primary states of matter are - Solid, Liquid and Gas. Solid - these include materials like Iron (Fe). Liquid - these include materials like water (H₂O). Gas - these include materials like oxygen (O₂).

After HTML

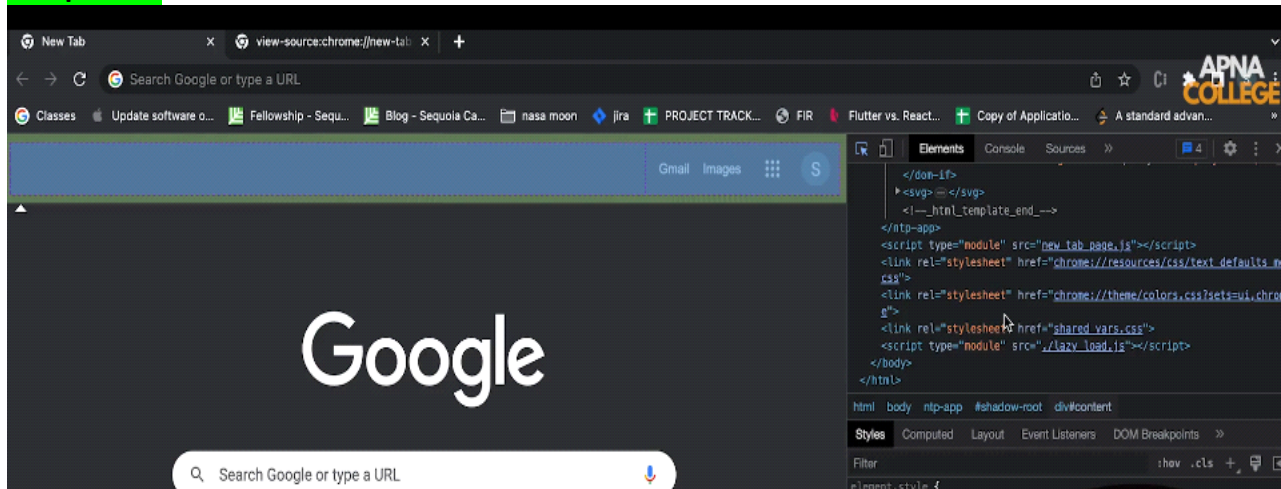
The 3 primary states of matter are - Solid, Liquid and Gas.

- **Solid** - these include materials like Iron (Fe).
- **Liquid** - these include materials like water (H₂O).
- **Gas** - these include materials like oxygen (O₂).

Website->right click->page source .

Website -> right click -> inspect.

Inspect:



Class 2: Html element and Tags

HTML Elements

Standard Elements that browser recognizes:

Paragraph

Heading

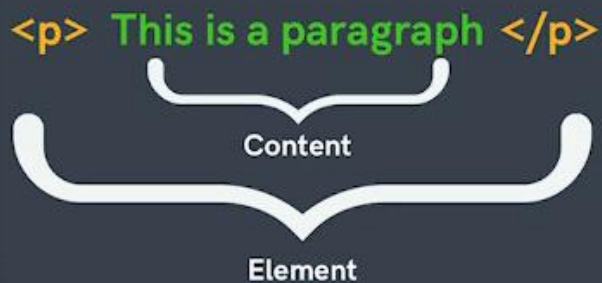
Image

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

Tags are: `<p> </p>`
`<h1> hello </h1>`

HTML Tags

A container for some content or other tags



Html element : tags and content combination .

Class 3: hello world

```
Users > shradhakhapra > <code> helloworld.html > p
1  <p>Hello World Shradha Khapra Apna College</p>|
2
```

From inspect , we can see:

The screenshot shows a web browser with the URL `File /Users/shradhakhapra/helloworld.html`. The page content is "Hello World Shradha Khapra Apna College". The browser's developer tools are open, showing the "Elements" panel with the following HTML structure:

```
<html>
  <head></head>
  <body>
    <p>Hello World Shradha Khapra Apna College</p>
  </body>
</html>
```

The "Styles" panel shows the default styles for the `p` element:

```
p {
  display: block;
  margin-block-start: 0;
  margin-block-end: 0;
  margin-inline-start: 0;
  margin-inline-end: 0;
}
```

Class 4: paragraph element

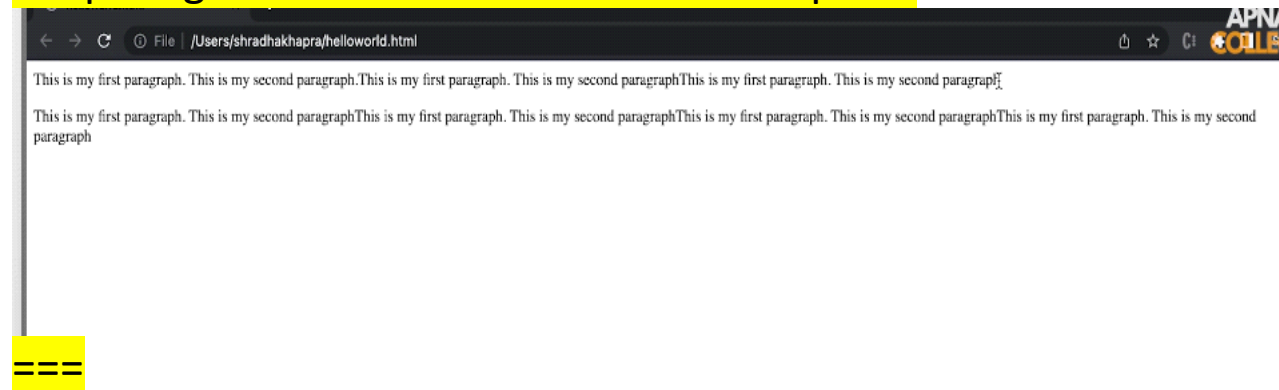
Paragraph Element

The `<p>` HTML element represents a paragraph.

Note: `<p>` tag can't take space more than 1.

```
sers > shradhakhapra > <> helloworld.html > p
1  <p>
2  This is my first paragraph. This is my second paragraph.This is my first
3  paragraph. This is my second paragraphThis is my first paragraph. This is my
4  second paragraph
5  </p>
6
7  <p>
8  This is my first paragraph. This is my second paragraphThis is my first
9  paragraph. This is my second paragraphThis is my first paragraph. This is my
10 second paragraphThis is my first paragraph. This is my second paragraph
11 </p>
12
```

In `<p>` tag can't allow next line or extra space.



Class 5: Heading Element

Heading Elements

The `<h1>` to `<h6>` HTML elements represent six levels of section headings. `<h1>` is the highest section level and `<h6>` is the lowest.

`<h1>` \xleftrightarrow{abcd} `</h1>`

```
helloworld.html x
Users > shradhakhapra > helloworld.html > h3
1 <h1>Main Heading (Avengers)</h1>
2 <h2>Ironman</h2>
3 <h2>Thor</h2>
4 <h2>Hulk</h2>
5
6 <h3>small heading</h3>
7 abc Heading
```

Main Heading (Avengers)

Ironman

Thor

Hulk

small heading

Every heading has default size, it can't change.

Class 6: practice question

Practice Qs 1

Recreate the given image using HTML tags.

Avengers

Iron Man

Also goes by the name Tony Stark

Captain America

Also goes by the name Steve Rogers

Hulk

Also goes by the name Bruce Banner

Practice Qs 1

Recreate the given image using HTML tags.

Avengers

Iron Man

Also goes by the name **Tony Stark**

Captain America

Also goes by the name **Steve Rogers**

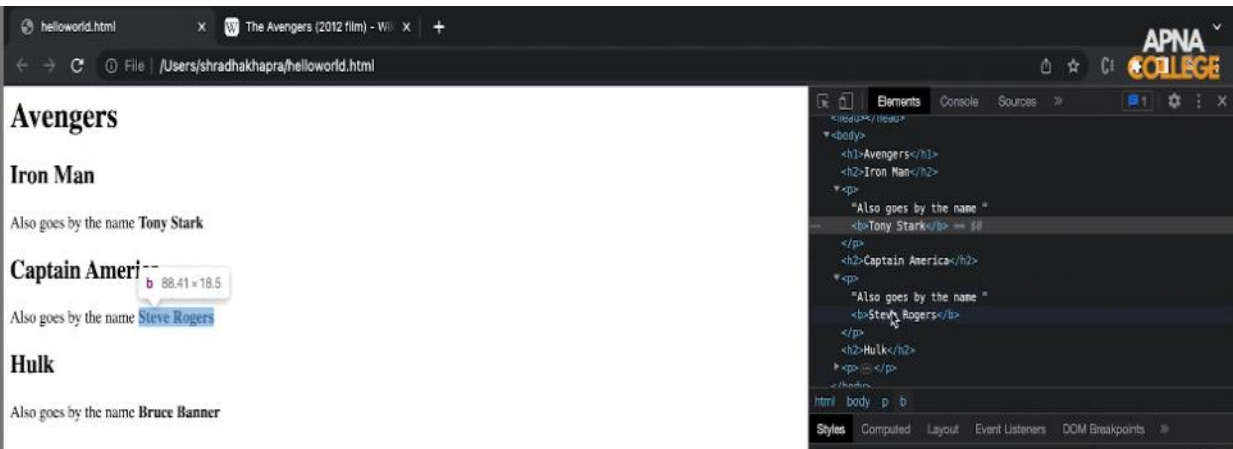
Hulk

Also goes by the name **Bruce Banner**

helloworld.html

Users > shradhakhapra > helloworld.html

```
1 <h1>Avengers</h1>
2 <h2>Iron Man</h2>
3 <p>Also goes by the name <b>Tony Stark</b></p>
4 <h2>Captain America</h2>
5 <p>Also goes by the name <b>Steve Rogers</b></p>
6 <h2>Hulk</h2>
7 <p>Also goes by the name <b>Bruce Banner</b></p>
8
```



Class 7: BoilerPlate code

HTML Boilerplate

This is the standard format or skeleton of writing HTML Code.

```
<!DOCTYPE html>
<html>
  <head>
    <title>My First Page</title>
  </head>
  <body>
    <p>hello world</p>
  </body>
</html>
```

<!DOCTYPE html> =====means we using html5 .

Head tag: link, extra information, meta data(extra data store)

Title tag: google search using title tag.(very important title tag)

Body tag: which I want to display in website.


```
Users > shradhakhapra > WebClassroom > Classroom.html > html > body
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta http-equiv="X-UA-Compatible" content="IE=edge">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Document</title>
8  </head>
9  <body>
10
11  </body>
12  </html>
```

Meta information that can't show in the web site.

Indentation: means proper spacing. Proper spacing make proper Readable the code.

finish day-1