✳ HTML ✳

→ Some Basic web fundamentals.

i) Building / Creating / coding / Testing / Hosting / maintenance

ii) SDLC [Software development life cycle)
   ↳ waterfall model.   ↳ Agile model.
   ↳ Spiral model   ↳ Iterative model.

iii) URL (uniform Resource locator).
   it is address of any website.

   ↳ https:// education. deutown. edu / webstack? property = value #

a) https: → protocol (sets of instructions)

b) education→ Sub Domain.

c) deutown→ main domain.

d) .edu → TLD (Top level Domain).

f) webstack → file name / path.

g) property → Key

h) value → value

iv) Domain

   ↳ Amazon (Domain)
   ↳ ckart (Default Domain)
   ↳ Aws → Bid for we have to website compi. amazon to get this site.

→ Domain:- unique identification → Devtown.

→ Sub Domain :   education.

⌐→ [Top level Domain]
   ① original   ② Duplicate/fake   ① & ② cannot
   Amazon.com   Amazon.com ;   exist at the same
   ⌐→ An .. in   → you on   time.
   ... .edu ⌐   Take Buy if original
   ... . uk ⌐   → ────   Brand did not register
                                 claim This.

⌐→ CPU/ Laptop→ understand only Binary language i-e 0&1.

→ ⌐DNS (Domain Name Server \ Domain Name System(both)
   ⌐→ Strings\ words ÷→ converted in number.
   ⌐→ It is like contact Dairy.
   ⌐→ Into Instagram!· 123! 122: 145! 178·   ip Address.
      contact Name   contact number·=

⌐→ ip = internet protocol Address·

                                              → HTML
                                              → css
                                              → Github
                                              → Static projed
   →   Editor   → JS·
   ⌐→ vs code·   → MEAN
   ⌐→ Subline·
   ⌐→ Code space (online Github platform)
   ⌐→ Code Sandbox·
   ⌐→ Note pad
   ⌐→

HTML Basics

HTML Basics → It is a platform independent because it can display on any platform like, window, Linux, mac etc.

→ example of Book

H	C	J
chapters	covers	popups
Headers	design	quizers
parah	page window	user functionality.

HTML	CSS	JS
Human Skeleton	clothes/muscle which we see.	Heart Brain. which control your body

→ Its extension is .html.

→ Markup language : It simply means the way how we show or describe your page.

→ `<html>` → Root Tags → means maintags.

→ It has opening `<html>` and closing tags `</html>`

→ It combination of Hyper text and markup language

• Hyper text → defines links between the web pages

• markup → Defines the text document within tags, that define structure of web pages

HTML Page Structure
Also called Boiler plate.

`<!Doctype html>` → Tells version of HTML → Type 5

`<html>` → HTML Root element

`<head>` used to contain HTML metadata.

`<title>` Page title & titles Title of HTML page / Tab Name

`</head>`

`<body>` → whole content of HTML

`<h1>` Heading content `</h1>` HTML Heading tag.

`<p>` paragraph content `</p>` HTML paragraph tag

`</body>`

`</html>`

Element   Attribute : means it provide some Additional information.

  ↑   ↑

< html   lang = "en">
      ⎿⎿   ⎿ value⏌
      key

Meta-Data → Information about the data (Data about Data)

<!DOCTYPE>   It define html 5 version

<HTML>   It is a Root element. In any website.

<Head/>   It is meta data (Data About Data).

<title>   It is used to display title on tab ~~tab~~ Bar.

<Body>   It is actual tag which contains will display on screen.

* HTML Tags *

1) **Heading tags** :- It makes your content bold means that Highlight. It has **6 levels**.
[h1], < h2>, < h3> , [h4] , [h5>, <h6]

Q2) **Paragraph tags** : <P> is used for paragraphing.

4 types.

< P align = "center"> -> used to center your text

        Left   ->   used to make Left your text.

        Right ->   Right to your screen

        justify ->

3) **Line Break**
 It is used to start content from new line

Hello
zain
Regards

4) **Centering content** : <center> It is used to put your content in the middle of the page.

Right

left   ~~Center~~   Center

Justi--

5) **Horizontal lines** <hr> It is used to put line between two paragraph

parag 1
_____
parg 2.

6) **Preserve Formatting** <pre> It is used to display exact what is written in it like.

-> <pre> This is some preformatted text with in space </pre> → same in pre but if we use div. It Bu show all this in a single text.

-> for array in div it will display

array ([0] => 10 [1] => 20 [2] => 35 [3] => Dominic it will show.

-> But in <pre> it will show.

array
([0] => 10
[1] => 20
[2] => 35
[3] => Dominic.
).

7) **Non breaking space**

This Tag is used to not collopse two sentence or gave spaces between them.

8) **Presentation tags or formatting tags**

i) **Bold Text** `<b>` This Tag is used to bold any statement

ii) **Italic Text** `<i>` This tag is used to make text italic

iii) **Underlined text** `<u>` This tag is used to underline your text

iv) **Strike text** `<strike>` This tag is used to make like this your text (~~fromoss~~) it will make a horizontal line b in your statement.

v) **Monospaced text** ~~types~~ `<tt>` It is used to make your font small as compared to other.
Your text monospace tag

vi) **Superscript text** `<sup>` This tag is used to make text slight above from line example
This following text is superscript tags

vii) **Subscript text** `<sub>` This tags is used to make your text slight below from line example.
This following text is subscript Tags.

viii) **Larger text** `<big>` This tag just gave you large size font and other thing remain same just tnt got bigger

ix) **Smaller text** `<small>` This make your text just small and nothing

x) **Strong text** `<strong>` This text is used to make text look like bold but not that much as bold tags gave it slightly less bold.

HTML - COLORS

Colors are used to give a good look and feel to your website.

i) <bg colors> → This tag used to set color to the background of the page. This will make your whole screen Red if you pass Red in the value.

ii) text → Set color for the body text or can be used for paragraph or div also.

iii) alink → This Tag is used in body to make color when we click on that link.

iv) vlink → This tag is used to make share that you have clicked this line before.

* Grouping Elements*

i) Div Tag < div> It gave some sa section suppose like container.

ii) Span tag < span> It is used to just color or do something between inline only, in div it will apply whole div, but in span it just Apply only in between its tags.

Block	Inline
→ It is appear on screen as it. like (h1) (h2), <div>, ,	→ It appear in between a line and act as a Attribute like. <span>, <b>, <u> <i> .

* HTML fonts *

There are 7 types of fonts size

i> `<font size = "1"> font size = "1"$</font>`

$$\vdots$$

"7"

It will display from small to large

* HTML fonts face *

`< font face = "Times New Roman" size = "5"> Times New Roman</font>`

"verdana"
"Comic sans MS"
"wildwest"
"Bedrock"

* Font color *

`<font color="red"> This text is in Red color </font>`
with this whole sentence will became Red color.

* Marquees * It is used to scroll any text from left to Right top to bottom.

* Links *

These links is also called as _Hyperlink_.

<a> it is an anchor tags element it is used to linked any document

< href> It is called _hypertext References_

— blank -> It is used to open link in a new tab.
— self -> It is used to open link ongoing tab only.
— parent -> It is used to go to the main page.
— top -> It is used if we where in bottom if we click on this we will redirected to the top of the website.

* Images *

Types of images! 1) gif 2) jpeg 3) PNG

<img src= "image URL" . alt = "Name" width = "500" height; 100°>

Its Attributes.

i) width= It sets the width of the images.

ii) height= It sets the height of the image.

iii) Border= It give border to whole image; like 1,2,3 size range of border.

iv) src= It is used to specific the path or a location of the image are coming from

v) alt = It is used for alternative name if your image failed to render.

vi) align = It is used to alignment make your photo appear on screen, left Right & center. but you cannot center the photo in html because img is not a container.

* Meta Tags *

<meta content="HTML, Tags"> If we use meta tags it helps search engine while indexing for searching webpages.

↳ It is used to give short <u>description</u> about the webpage

↳ you can used this tags for redirecting you page after some seconds to another page.

* Lists *

~~There~~ There are 3 types of lists.

i) undeordered list.

ii) ordered list.

iii) <dl> definition list.

i)

```
<ul>
        <li> Pen < li/>
        <li> Pencil < li/>
        <li> Paper < li/>
<ul>
```

-> We can gave attributes to it also.

output

< ul type = "square>   □

< ul type = "circle">   ○

< ul type = "disk">   ●

~~< ul type = "~~

ii)

It is used to put items in a oodered means in a number or alphabet oader.

```
<ol>
    <li> Pen </li>
    <li> Pencil </li>
    <li> paper </li>
    <li> eraser </li>
</ol>
```

output
```
1  Pen
2  Pencil
3  Paper
4  Eraser.
```

Its Attributes are.

```
<ol type = "I">
<ol type = "1">
<ol type = "A">
<ol type = "a">
```

output.

I → Roman Number in upper case
i → Roman Number in lower case
A → Alphabitic sequence in upper case
a →   "   "   in lower case

↳ It has one more attribute that is **start** by this you can start your ordered from where you gave the number at target, but you can gave **only numbers not symbol or aphabets.**

iii) **<dl>** definition list.
It is used for definition purpose. like

~~total~~ HTML   This stands for Hypertext markup language.

Here code
```
<dl>
    <dt> → A term or support heading
        <b> HTML </b> </dt>
    ← <dd> This stands for hypertext markup la ___
```
Term
definitio

____   This will generate about Result.

* Tables *

< table >

< tr > → gt is used to create Row
< td > create for data cells.

↳ Heading
< th > gt is used for giving heading in table

< table >
< tr >
< th > web developers </th>
< th > Software developer < th)

< |h >

↳ Captions

↳ Cell spacing & Cellpadding

How much should a
break can get a
space

↳ Spanning

1) colspan → capture two colum in a same row.

2) Rowspan → capture two row in a same column.

3) align content

4) align table.

* ~~prompt~~ * forms *

↳ It is used to collect information from the user.

`<form>`

* Text Input controls *

i) Single-line text input controls:

↳ It uses tags • `<input>`
↳ It has various Attributes and Key.

* `<input type="text"`   placeholder="Enter the Name".

     This will pop up in very light font in text box

     It will take every input you have provided.

type = "password" → It will hide your text
   "   = " Submit" → It will create a Submit button
   "   = " Reset" → It   "   "   " reset button.

↳ required it is an attributed is used to remind your
to fill this box. before Submitting.

→ Form action= 'cgi-bin/new-get.cgi' method="get" ›

        This line is used to show that you have
this value save in your bin, like email id, login.
anything

* Multiline text *

It is used to write more than one line text or content.

→ The element we used for this is <text area> and its attribute are rows=" " & cols=" " > It will make a box for you to type your content.

→ we can also use image for submission your content.

* Checkbox control *

It is used to choose multiple option → It is an attribute of input Tags.

→ type = "checkbox" → This attribut is used for multiple selection.

* Radio box *   type=" Radio"

It is used to select only one box from a multiple option, If you do clicked on another the previous one will get unselected in this attribute, for that we have to provide more attribute like name "= so that it will not act as checkbox.

* Select Box *   This tag provide option in a list from top to down. It will allow you to choose from the box inside it.

→ multiple attribute display your content inside box on the top.

* File Select *

It allow you to access your computer and send a file to web pro browses to the server side.

typ `<input type="file">`, with this value it allows you to select file from the computer.