# WORKSHOP ON HTML/CSS/Website Hosting

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## HTML

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- → HTML: stands for Hypertext Markup Language
- → An HTML File is a text file containing small markup tags
- → These markup tags tell the Web Browser how to display the page



G cozats com

# **HELLO FRESHIES!**

```
<!DOCTYPE html> All HTML Documents begin with a type declaration. More like a preamble
<html> Root Element
<head>
<title>Hello Freshies</title>
</head>
<body> Whatever is visible to us in a web page is written inside the body
Hello Freshies! WnCC Welcomes you to IIT Bombay
</body>
</html>
```

LET US RUN THIS CODE!

### HTML TAGS / ATTRIBUTES

- → HTML TAGS Are used to mark-up html elements
- → Tags are surrounded by the '<' and '>' commonly known as angle brackets
- → Tags normally come in pairs like <b> and </b>. The element content is the text written between the start and end tags.
- → Tags are not case sensitive i.e <b> is the same as <B>, but conventionally lowercase letters are used
- → Tags often have attributes which contain additional information like image-width,img-src etc...



#### **HEADINGS:**

Defined with the <hl> to <h6> tags. <hl> defines the most important heading and <h6> is used for least important headings <hl> I am a cute Cat </hl>

#### **PARAGRAPHS**:

Defined with the HTML element I am a cat; I like meowing all the time. Meowy Day

# **BREAKS / Empty Tags:**

Thematic Break/Horizontal Rule: The <hr>> tag

Line Break: The <br/> tag

These are empty tags which means they do not have end tags.

Remember: In HTML, Formatting is not based on whitespaces

# LET US PUT TO USE WHATEVER WE HAVE LEARNT SO FAR!



#### LISTS:

```
Unordered: bulleted list which can be nested

Cat A 
Cat B 

Ordered: numbered list which can be nested

Cat A 
Cat B
```

#### **FORMATTING:**

```
<br/><b></b> or <strong></strong> for boldface<br/><i></i> or <em></em> for italics
```

#### HYPERLINKS:

An anchor tag <a> is used to create a hyperlink or define an anchor within a page. <a href="url"> Link text</a>

Here href attribute is important as this indicates the link destination.

#### **IMAGES**:

The <img> tag is used to insert an image/gif.

<img src= "cutecat.gif">

Technically, Images are not inserted in a web page. Instead they are linked and the <img> tag creates a holding space. <img> tag is also an empty tag.

The src attribute: specifies the path/url to the image.

Remember: If you are using local images; make sure you save the images in the same folder as your html file.

The alt attribute: Sometimes, due to some reason(broken link, error in src attribute) the image is not visible. In such cases the value of alt tag describes the image briefly

<img src= "cutecat..jpg" alt= "some content here">



CODING CAT
IS BACK!!

MEOWWW!!

TIME TO
WRITE AND
RUN SOME
CODE xDD

#### **STYLES:**

The <style> attribute is used to add styles to an element such as font,color and size.

<tagname style= "property:value;">

The "property" is a CSS property; you will learn about CSS in the next part of the session.

#### Examples:

```
<body><br/>style= "background-color:red;"></body>
```

<h1 style= "font-size:160%;"></h1>

#### TABLES:

Defined with the tag. Each Table Row is defined with a tag and each table header is defined with a tag. The data is defined by the tag.

```
Name(s)
   PoR
 Anirudh Mittal
   GSTA
 Akshit & Latika
   WnCC Managers
```

Name(s) PoR
Anirudh Mittal GSTA
Akshit & Latika WnCC Managers

#### **RESPONSIVE:**

In simple words, a responsive web design is one which looks good on all devices no matter the size; It will automatically adjust for different screens

The <meta> tag is used to create a responsive website. <meta name= "viewport" content= "width=device-width, initial-scale=1.0">

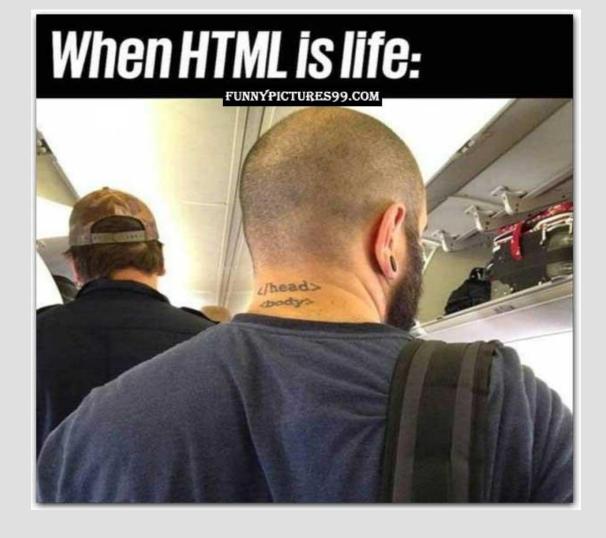
This will set the viewport of the page which will give instructions to the web browser on controlling the page dimensions and scaling.



CODER CAT IS
HAPPY, LEARNT
LOTS OF NEW
THINGS.
CODER CAT
WANTS TO CODE
AND CHECK ALL
THESE TAGS IN
ONE SINGLE
WEBSITE.

LET'S DO THIS
FOR THE CODING
CAT!!









HOPE THE CODING CAT WITHIN YOU ENJOYED THIS!!

**MEOW! MEOW! MEOW!** 

THIS BRINGS TO THE END OF THE HTML PART OF WORKSHOP!!
WITH MEOW, WEB AND CODING CLUB <3