Block & Inline in HIML Block element are those that take up the full width available on a new page, effectively blocking out any other elements from sitting next to it on the left or right. right,

Inline elements one those that only take up as much width as much needed to display the content of the element, though allowing other element to be un line with the unline element.

· Block element always start on a new line.

• Inline element do not start from a new line.

Some block elements are <dlv>, , <h1> to <h6>, <nav>, etc. Some inline elements are <b>, <i>>, <5pan>, <fmg>, etc.

divtag:

· The Edw>tag defines a block-level section or a dR/s/on

· The Lar + tag is a block element It is geten used as a

container for other HTML elements.

· The <div> element how no required attributes. Thedius element ils very exten used together with as to layout a meb page By default, bromsers always place a line break before and after the <dr > element.

Example: <P>Hello <diV> Welcome to India! 

Browser:

Hello

Welcome to India!

Adding Style to div Adding Background color to an element xdiv style = "back-ground color: cyan"> 21div> K/P>.

span tag · I span > element is an Phine container used to mark up a part of a text or a part of a document.

• The <span > element has no required attributes, but etyle,

· When used together with CSS, the Lapan's element can

be used to style paints of the text.

It also not shift the content to the next but helps to style a specific paint of the content.

## Class and Id in HTML

· classes and id are selectors in HTML

They are catterfluttes to any tags.

majorly used for styling the parts of your content.

· Multiple HTML elements can also shave the class Id.

· The class name and id name are case sensitive.

Internal styling

Earlier, we covered the Inline type of styling the element by using the style attribute, but styling can also be internally in the HTML file by using an 1style> element in the khead> section.

Example ... <head>

Estyle>

output: Hello

Pi colorired </ style> K/head> <body> TP> Hello X/P> 1/body>

Class Attribute

The HTML class attribute is used to sperify a strigle or multiple class name for an HTML element. The class name can be used by CSS and Javascript to do some task for HTML element. You can use this class Incs with a specific class I write a period (.) character, followed by the name of the class for selecting elements.

Multiple Cases

You can say multiple classes can be guento an element. To define muttiple classes, separate the class names with a space.

ld attribute

The HTML od attribute is used to specify a unique od

You cannot have more than one element with the same

· Javascript also uses it to access and manipulate the element with the specific 9d.

Syntax: Mente a Hash character (#), followed by an Pd name Then define the CSS property using curely brackets. Example:

Example:

Khead> <style> O#one {color; blue; } #tuce Ecolor: Red; 3 # threef color: black? 1/style> </head> <body> <pid="one"> Hellow! Hey! d= "thored"> Good Morning:>

Browner

Hellow! Hey! Good Morning:)

Instead of having to resort to the task of scholling down long pages, you can make your readers very happy by afformage them pjumps as an atternative mode of transport around your offe. Basically, page jumps an atternative mode of teransport around your site. Basically, page gumps are just links (they use the same (a) element as all links), but links that point to a specific part of the same document, i.e. internal links.

Adding Script to HTML To use Javasoupt en your met page, we need to meet it into your HTML page. recommente our Jawascript code by using the records tag. you then need to write Jawascript code in between them. between them. <script type z "text/savascript">
document.get Element By Id! "demo" Inner: HTML = "My First Javascript";
</script> Example:-Yeu can add a type attribute to mention the type of script you are using. But since default scripts are written in Javascripts. Javascripts. <SCript > tag com be used in another manner as well. It can add external favoroupt files to the new page. Adding External scripts writing Javasoupt code in external files separates it from HTML code. It makes HTML and Javasoupt easter to read and maintain. The external Javasoupt file should have the extension-ist <script type="text/javasoript" srcz"myscriptijs"></script> example The Javascript file name with the extension is mentioned inside the src attribute, i.e. the name is External soupts can be referenced with a full absolute URL or with a path relative to the current web page. Javascript in < head > and < body > tag You place scripts inside the <head > tag, fust like the < limps tag. You can use both by the ways mentioned above to add the script to the useb page by writing them inside the <head > tag.

Inside the <head > tag. Examples zhead> <! -- other header tag -- !> LS cript type = "text Javasoupt" src= "my script. is x soips

"</ head>

But when you use the above two methods, the Javascript compilation is done first, even before the HTML code is rendered on the meb page. The slows some trings might not be as expected as element are not rendered at that time.

To improve the met page's loading time, me can also load and compile the favascript after the Dage is loaded. To do this, we need to add the script at the bottom of the <body>+ ag after the HTML code like -

#### Example

<body>

<! -- HTML code -->

< stipt + gpe = "text/Janas výpt" sor = "my script is"> Lariph Now, the html code is rendered plast, and then after that, gavasorift is loaded.

Internal Javasoupt

Rather than making another gavascrupt file and attacking it to the HTML file, you could also write the Javascript code within the HTML file as we did for the CSS.

But this method is not recommeded much. It could be

External Jawascupt files hop us to reuse them on multiple HTML files.

Example: <bbdy>

< h1 1d = "heading">Hello!</hl> LSCript type = "text / Javasoupt"> document. get 5 kment By Ed ("heading"). Inner HTM L="Bye Javas 9pt!"; Browsen:

Bye Javascript! <1 Body>

<noscript>+ag The HTML <noscript> + ag defines an alternate content to be displayed to users that have disabled scripts in their browser or have a browser that doesn't support Example: <script type = "text 1s'avascript">
document.get ElementByld ("heading") inner HTML= "Bye Javasvupt!"3 <noscript>Sonry, your Browsen does not support JavaScript! </noscript>. Browser Hello World!

sorry, your browser does not support Javascript!

# HTML VS XHTML

### XHTML

· It stands for Extensible typettert Markup Language.

· It can be constitue as a part of HTML XML markup language because of XHTML have features of both XML and HTML. YHTML is extended from XML and HTML. It can be considered as best version of HTML.

· It is a stricter, more XML -based version of "HTML.

### HTML

HTML is types Text Markup Language. It is used to create need pages and 1914 them from one to another. It is a markup language.

### Differences for HTML

· K! DOCTYPE > Ps mandatory.

· The ximns xmins in khtml>9s mandatory.

<html>, <head>, <tille>, and <body> are mandatory.

· Element must always be properly nested.

· Element must always be closed.

· Element must always be 9n lower case.

· Attributes names must always be in lower case.

· Attribute value must always be quoted.
· Attribute minimization le forbidden.