Forms on HTML from the user. Through these forms, a user enters the docta, which he exther processed by the browser sitself or the data goes to the seawer when it get A form is an area that can contain form element. A form as defined with the xformy tag. when the form is submitted, the pages gets reloaded, and the know that the form gets submitted. But actually, the form input data is not being submitted to the server. To get the form to send the input data to the server, we need to set 2 attributes in the form;
• action attribute · action attribute · method attribute syntax: <form action="/Phodexin+nu" method = "post"> -- 1/form> action attribute The action attendente defined the action to be performed when the form is submitted. It tells where the form data is sent when the form is submitted this contains the address (i.e. URL) of the full whose the data is sent. The URL can be provided in an absolute and relative Note: If the action attribute as not mentioned, the action is set to the current page URL. Example:-<form action = "/Index.html"> < label for 2 "fname" > Full name: < / clabel > < Puput type = "text" ld= "fname" name = "fullname"> < Proput type = "submit" value = "submit"> </form>.

In the above form, the form data is submitted to the 9nder. In the passent relative the to the path.

Method attribute

The method attribute defines how the form data is sent. It specifies the HTTP method to be used when submitting the form data.

The form-data can be sent as URL variables or as HTTP post transaction (with method 2 "post").

By default, it is set at GET.

POST METHOD:-

This method appends the data Proside the body the HTTP reguest. The post is used to send the sensitive data (the submitted form data is not shown in the URL).

Syntax:

<form action = "/index.ntme" method = "post">

GET METHOD:-

This method appends the data Into the URL with? as a separator in name-value pairs since this data will be visible, so sensitive data (like password) should not be sent. This can be can be used to send query strings.

Syntax of GET:https://www.domain.com/vri?variable=value+variable=value

start of quory string.

syntax: - "index. html" method="GET">.

Form action attribute specifies the URL of the full that will process the Input when the form B submitted using that specific button.

Note: This attribute oversides the action attribute of the form> element.

Example: -

1/form>

Output:-
Full name:
Submit as uson Submit as Admin
In the above example, If you submit by whoking the "submit as user" button, the form will be submitted to Index not but submitting by "submit as Admiral will submit the form to Index 2. not me!.
Input and label on HTML forms
Input tag
The <pre><pre>Phpiot > tag</pre> Specifies an Propot field whom the user can enter data <pre><pre> can enter data <pre> <pre> <pre></pre></pre></pre></pre></pre></pre>
allow user to Input data.
Note: It ûs an Inline tag.
type attribute
HTML provides different types of Input that you can use for different kinds of entries. By agault, the value of type is text, which specifies that we want single line text Input.
Note: - type attribute us mandatory
Some more value for the type attribute is: • Submit • URL
· email · Checkbox
· password · radio
· date · hidden · time
· Mange
Value attribute
Value is not a compulsory attentitute to add
The value attendente as used differently for different Input types:
OLD THE STATE OF T
The state of the s

· For "button", "reset"; and "submit"; It defines the text on the button. · For "text", "password", and "hilden"; It defines the Intial Value of the Proport field. · For "checkbox", "radio", "image"- It defines the value associated with the Input. Enter the country:

[India Submit] Brouser: Name attribute The HTML form data is sent to the browser or server-side in the form of (ngme: value), where value is the entry you provide respective to that name parameter. The name attribute is a compulsory attribute for Input tag is a form. without this attribute, the form element won't be submitted or, In other words would not be sent to the sower. The name attribute also uniquely identifies that pièce et data. The value of the input is a cossed using the name cuttoubute. label lag A label + ag describes the kind of Input in a form, and it is not compulsory you can do that without the use of a label + ag. But it is better to use the <label > + ag +0 describe the kind of Input for the

form element.

Note: This is also an Inline tage

B xample:

< label for 2"fname" > First Name < | label > < br/> < Proput type = "text" 9d="frame" name = "ffret-name"/>.

The label is feed to this Input element by guiling the "id" attribute of the Input element the same value as the label's "for" attribute.

note: The value of ild and name can be the same, and most of the time, this will be the case.

Required attribute:

It specifies that an Input field must be filled out before submitting the form. Else, it should a pop up to fill out the required field for you can say it defines a mandatory field. The required attribute de a boolean attribute.

Example:

<form> < Input type = "submit" value = "Submit"/> </form>

If we cleck submit without entering any value,

autput:

This 93 as required field

Place holder attribute: -

The place holder attribute as used with the Input element. It describes a sample value or a short discription of the expected tormat The value of the placeholder attribute specifies a short hint that desviewes the expected value of an Input field.

Example:-Thput type="text" name="fname" placeholder= "First-Name"> Browser: [First Name] Input Type password

It is used for entering passwords in an input field.

It is used for entering passwords in an input field.

It is not shown on the screen, i.e. the character in a

It is not shown on the screen, i.e. the character in a passueord field are masked Ishown as asterick or chide). Example: - <form> < label for z"username" > user name: L/label xbr> < Php ut type = "text" Pd = "username" name = "username"> <a href="mailto: Passurord (<a hr> <a hr> < < "nyout type = "passurord" "d = "pwd" name = "pwd"> alforms. Browsen Usernamo: Password Input Type Date: It is used for Priput type that Should contain a date s. Example: <form> < label for = "dob" > Enter DOB: < label > < nput type = "date" 9d = "dob" name = "dob" > </form> Browser' Enter DOB: ad-mm-yvvv Input Type range: It defens a control for entering a number on a sil der control. Default range de 0 to 100. However, you cem set restrictions on the accepted numbers with the min, max and step attributes.

Example: forms < label for 2 "val"> Value </ label> < Proput type z "range" Pd z "val" name z "val" min = "0" marz" 50"> </forms Browsey: Valle Input type Checkbox:checkboxes are used when more than one option may need to be checked, or you can also we them to enable or duable something. There is also an attribute named checked, that when present, makes the checkbox selected by affauilt when the page loads. Examples <form> nput type = "cheekbox"namez "color!" valuez red > red < b>> < Enput typez "checkbox" name = "colorz" valuez "green" > Greencor> Timput type = "checkbox" name = "colors" value = "unite" checkets white Lbr>. </form> Browser: 1 Red ☐ Green 12 white Input type radio The radio button is gust like a Checkbox, but the difference is that the value of the name attribute are The name attribute are all set to the same value there radio button part of the same set, and therefore you can only selected one by them at once all the same. Example: <form> <form>

"gender" value = "male" cherco Male (br) < Proput type = "radio" name = "gender" value = "femali"> Female
 < Iform>

Brownson: 6 Male o female Input type hidden It definie a hidden Input field Philsible to user) The hidden field moudes some data and submite it along with the form, which we not visible to the user. A hidden field eften stores unet database record needs to be updated when the form he submitted. Example: - < form> < label for= "Name">Name: < I label> put type:"tert" 9dz"Nname" name: "Nname"> type="hielden" 9ds "loc" name = "doc" value> "India"> ~ "nput type="submit" value = "submit"> < I form> Browsen: Name: [(Submit) Select element in HTML Forms

Select tag is used to create a drop-down list of options.

The drop down wist contains many options, and the user can choose one of them. The select flag also contains a name attribute, like other form elements, that represent the associated data submitted to the server. Example: <select name = "select"> < option value = "Value 1" > option 1 < loption> < option Value = "Value 2" > eption 2</ option> < option Value 2 "Value 3" > option 3 < / option> 2 | select> Brown: loptioner option 2

option 3

Attributes Multiple It allow the user to select more than one value Example: <select name 2 "select" multiple> < Iselect> Brouser: Peption 1 option 3 It spécifies how many aptions can be shown at once. Example: Select name = "Select" 92e = "2"> <eption value2"Value1">option 2 </option> < option Value 2 Value 2 > option 2 < loption> Loption Value = "Values" > option 3 1/option > </select> Brouser: option 1 (4 option 2 only 2 out of 3 options are displayed in the above example and others can be seen using the scrollbar. The tag used to define the possible option is coption > tag. This tag is put Inerde the select > tag. For every ception In drop down list, separate coption > element 91 used. The first caption > element from the option's list is selected by default. To change this predefined option, use the selected atoribute with the Loption > tag. Each option element should have a value attribute, unfin contains the data value that will be submitted to the sewer when that option is selected.

Example. isdect name = "select"> coption value = 1/red1 > Red < option value = "green">green </option>. < eption value 211 blue 1/2 Blue <10 ption> Selected=""

Becourses:

Baracio V Blue Red

apt group element

group several The copt group > element is used to items together in one group.
This will create separate group g opton Inside The label attribute is used in it a group heading. optgroup to ghe

Metatag an HTML

Metadata defines Information about data on your web page Meta data will not be displayed on the page but will be machine parsable.

Meta elements are typically used to specify page discription, keywords, author of the document, title, image, etc. Attrobutes that are used in meta tag:

mage, etc.

· name

· Content

· property

· Charset

· http-equiv Mota tags have been one of the essential element of SEO. They are used to provide details about your site to search engines search Engine optimization (SEO) is defend as the process of affecting the online unify

Meta clesoription in search mesuits where they can to add meta tags to your new pages.

Note: These can be any number cet meta tags Note: Those can be any number cet meta tags defened within a page inside the head. Name attribute The name attendate is used to specify the name for the meta data. The name attendate is used together with the content attribute. This attribute specifies I name for the Pryormation/ value of the content attenbute. syntax:-<meta name = "Value"> Note: If the nttp-equir attribute ils set, the name attribute should not be set. SEO is used by the season engines like google and bing to search for the website's content relevant to the user search. This Processes the quality and quantity of traffic on one's website. content attribute The content attribute gives the value unto the http-equir or name attribute. syntax:-<meta name/http-equir = "value" content="text"> The charset attendante is used for dellaring the character encoding for the page. It is a good practise to use UTF-8 encoding, flowerer, this must take careg that the declared character set matches one of on the page and he alfhed for every page of the website. xmeta charset = "character_set"> ntty equiv attribute It provides em HTTP header for the Information/Value of the content attribute. The value of this attribute com be used to alter servers and user agents behaviours.