HTML <colgroup> Tag

* The <colgroup> tag specifies a group of one or more than one columns in a table for formatting.

* The <colgroup> tag is usefull for applying styles to entire columns, instead of repeating the styles for each cell, for each row.

Ex - Refer to w3schools.com

Q. Is there any <rowgroup> tag ?

Ans. No, but table row may be grouped into a table head, table foot, and one or more table body sections using thead, tfoot and tbody elements.

HTML Symbols

Symbols are not present on your keyboard but can be added by using entities.

Ex -	Output
<p> I will display &euro </p>	€
<p> I will display &copy </p>	©
<p> I will display &hearts </p>	♥
<p> I will display &dollar </p>	$

HTML Forms

An HTML form is used to collect user input.

The <form> Element

* The HTML <form> element is used to create an HTML form for user input.

* The <form> element is a container for different types of input elements, such as: text fields, checkboxes, radio buttons, submit buttons, etc.

The <input> Element

* The HTML <input> element is the most used form element.

* An <input> element can be displayed in many ways, depending on the type attribute.

Type	Description
<input type="text">	Displays single-line text input field.
<input type="radio">	Displays a radio button.
"checkbox"	Displays a checkbox.
"submit"	Displays a submit button.
"button"	Displays a clickable button.

* Text Fields

The `<input type="text">` defines a single-line input field for text input.

Ex -
```
<form>
    <label for="fname">First Name </label><br>
    <input type="text" id="fname" name="fname"><br>
</form>
```

Output

First Name

[   ]

* The `<label>` Element

The `<label>` tag defines a label for many form elements

The `<label>` element is helpful for screen-reader users, because the screen-reader will read out loud the label when the user focus on the input element.

* Radio Buttons

⇒ The `<input type="radio">` defines a radio button.

⇒ It lets a user to select one ~~or~~ ~~many~~ of a limited no. of choices.

Ex— o HTML
      o CSS
      o Js

* Checkboxes

⇒ The `<input type="checkbox">` defines a checkbox.

⇒ Checkboxes let a user select ZERO or MORE options of a limited no. of choices.

Ex— ☐ I have a bike.
    ☐ I have a car.
    ☐ I have a mother.

* The Submit Button

⇒ The `<input type="submit">` defines a button for submitting the form data to a form-handler.

⇒ The form-handler is specified in the form's action attribute.

Ex— Name

    | Rishabh |

    Gender

    | Male |

    | Submit |

* The Reset Button

The `<input type="reset">` defines a reset button that will reset all form values to their default values

Ex —

Name

[   ]

Gender

[   ]

[Submit] [Reset]

* Input Type Date

The <input type="date"> is used for input field that should contain a date.

* Input Type Email

The <input type="email"> is used for input fields that should contain an e-mail address.

* Input Type Number

The <input type="number"> defines a numeric input field.

* Input Type Hidden

The <input type="hidden"> defines a hidden input field. (Not visible to a user).

* Input Type File

The <input type="file"> defines a file-select field and a "Browse" button for file upload.

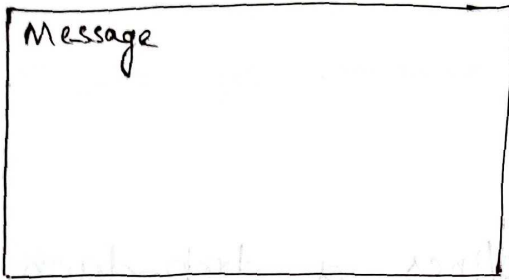## * Input Type Image

The <input type="image"> defines an image as a submit button.
The path to the image is specified in the src attribute.

* The <textarea> Element

⇒ The <textarea> element defines a multiline input field.
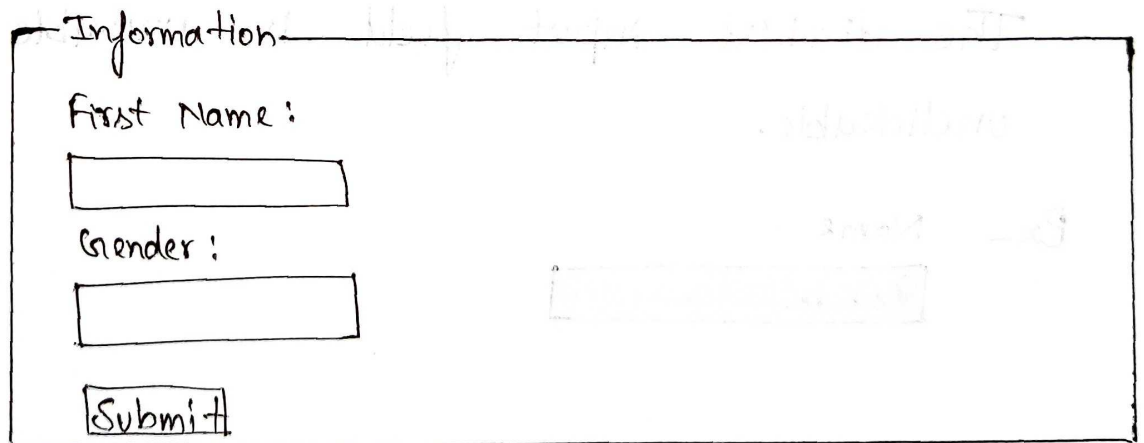
⇒ The rows & cols attribute specifies the ~~the~~ height & width of the text area.

Ex —

```
Message
```

* The <fieldset> and <legend> Elements

⇒ The <fieldset> element is used to group related data in a form.

⇒ The <legend> element defines a caption for the <fieldset> element.

Ex —

```
┌─Information──────────────────┐
│ First Name:                  │
│ ┌──────────────┐             │
│ └──────────────┘             │
│ Gender:                      │
│ ┌──────────────┐             │
│ └──────────────┘             │
│ ┌──────┐                     │
│ │Submit│                     │
│ └──────┘                     │
└──────────────────────────────┘
```

* The <datalist> Element

The <datalist> element specifies a list of pre-defined options for an <input> element.

Ex —

* The <select> Element

The <select> element defines a drop-down list.

The <option> elements defines an option that can be selected.

Ex— Grender :

* The disabled attribute

The disabled input field is unusable and unclickable.

Ex— Name