

## # Lecture 8: Forms in HTML

→ What is form?

A HTML form is used to collect user input. The user input most often sent to a server for processing.

→ Tags:

\* `<form>`: It is used to create an HTML form for user input.

\* `<input>`: It can be displayed in many ways, depending on type.

\* `<label>`: It defines labels for many form elements.

Note: The `for` attribute of the `<label>` tag should be equal to the `id` attribute of the `<input>` tag to bind them together.

→ HTML form attributes:

\* `action`: This attribute defines the actions to be performed when the form is submitted.

\* `target`: This attribute specifies where the display of the response should be shown that is received after submitting the form.

\* `autocomplete`: This attribute specifies whether a form should have autocomplete on or off.

→ HTML form elements:

\* `input`: It is displayed in many forms depending on type attribute.

\* `label`: It is define the labels for many elements.

\* `select`: It is define the drop-down list.

\* `multiple`: It is allow the user to select more than one value.

\* `textarea`: This element defines a multi-line input field.

\* `button`: It is define a clickable button on the page.

\* `fieldset`: It is used to group related data in a form.

\* `legend`: It is used to define a caption for a `fieldset` element.

\* `option`: It is defines an option in a drop-down list.

\* `output`: It is defines a calculation result.

\* `datalist`: It specifies a list of pre-defined option for input controls.

## → HTML input types :

- \* text : It defines a single-line input text.
- \* password : It is used to define a password field.
- \* submit : It defines a button for submitting form data to form-handler.
- \* reset : It defines a reset button that will reset all form values.
- \* radio : It is used to define a radio button in form.
- \* checkbox : It is used to define a checkbox in the form.
- \* color : It is used for input field that should contain a color.
- \* date : It is used for input fields that should contain a date.
- \* email : It is used to define an email field in a form.
- \* image : It is used to define a image as a submit button.