



STUDY MATERIAL
TOPIC – HTML_FORMS & FRAMES

SUBJECT: COMPUTER SCIENCE

CLASS: VIII
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➤ HTML Forms

An HTML form is used to collect user input. The user input can then be sent to a server for processing.

Example

First name:

Last name:

➤ The <form> Element

The HTML `<form>` element defines a form that is used to collect user input:

```
<form>
```

```
form elements
```

```
</form>
```

An HTML form contains **form elements**.

Form elements are different types of input elements, like: text fields, checkboxes, radio buttons, submit buttons, and more.

➤ The <input> Element

The <input> element is the most important form element.

The <input> element is displayed in several ways, depending on the **type** attribute.

Here are some examples:

Type	Description
<input type="text">	Defines a single-line text input field
<input type="radio">	Defines a radio button (for selecting one of many choices)
<input type="submit">	Defines a submit button (for submitting the form)

➤ The <select> Element

The <select> element defines a **drop-down list**:

Example

```
<select id="cars" name="cars">  
  <option value="volvo">Volvo</option>  
  <option value="saab">Saab</option>  
  <option value="fiat">Fiat</option>  
  <option value="audi">Audi</option>  
</select>
```

THE OUTPUT:

Choose a car:

Volvo
Saab
Fiat
Audi

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

By default, the first item in the drop-down list is selected.

➤ 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.

Example

```
<form action="/action_page.php">
  <fieldset>
    <legend>User Profile:</legend>
    <label for="fname">First name:</label><br>
    <input type="text" id="fname" name="fname" value="Rick"><br>
    <label for="lname">Last name:</label><br>
    <input type="text" id="lname" name="lname" value="Watson"><br><br>
    <input type="submit" value="Submit">
  </fieldset>
</form>
```

OUTPUT:



The screenshot shows the rendered output of the HTML code. It features a rectangular box containing the form. At the top left of the box is the text 'User Profile:'. Below this, there are two text input fields. The first is labeled 'First name:' and contains the text 'Rick'. The second is labeled 'Last name:' and contains the text 'Watson'. At the bottom left of the box is a 'Submit' button.

➤ HTML FRAMES

HTML frames are used to divide your browser window into multiple sections where each section can load a separate HTML document. A collection of frames in the browser window is known as a frameset. The window is divided into frames in a similar way the tables are organized: into rows and columns.

➤ Creating Frames

To use frames on a page we use `<frameset>` tag instead of `<body>` tag. The `<frameset>` tag defines, how to divide the window into frames. The **rows** attribute of `<frameset>` tag defines horizontal

frames and **cols** attribute defines vertical frames. Each frame is indicated by `<frame>` tag and it defines which HTML document shall open into the frame.

➤ The `<frame>` Tag Attributes

Following are the important attributes of `<frame>` tag –

src

This attribute is used to give the file name that should be loaded in the frame. Its value can be any URL. For example, `src = "/html/top_frame.htm"` will load an HTML file available in html directory.

noresize

By default, you can resize any frame by clicking and dragging on the borders of a frame. The `noresize` attribute prevents a user from being able to resize the frame. For example `noresize = "noresize"`.

Questions and Answers

Q1) What is an HTML form?

A: An HTML form is an area on a web page that contains the form elements, that allow the user to enter information like text fields, text area fields, drop – down menus, radio buttons, checkboxes, etc.

Q2) How a form is defined? Provide syntax.

A: A form is defined with the <form> tag.

Syntax:

```
<form>  
  Input elements  
</form>
```

Q3) Which is the most used form tag?

A: The most used form tag is the <input> tag.

Q4) When Text fields are used?

A: Text fields are used when the programmer want the user to type letters, numbers etc. in a form.

Q5) What is the default width of the text field?

A: In most browsers, the width of the text field is 20 characters by default.

Q6) What is the use of radio buttons?

A: Radio buttons are used when the programmer want the user to select one of the limited number of choices.

Q7) When Checkboxes are used?

A: Checkboxes are used when the programmer want the user to select one or more of the limited number of choices.

Q8) What happens when the user clicks the “Submit” button?

A: When the user clicks the Submit button, the content of the form is sent to the server.

Q9) What is the utility of action attribute?

A: The action attribute of the form defines the name of the file to send the content of the form to.

Q10) What is fieldset tag used for?

A: The <fieldset> tag visually groups logically related fields in an HTML form defined with the <form> tag. The tag allows breaking forms down into logical sections. In browsers, a box around the content is drawn.

Q11) What is legend tag used for?

A: The legend tag is used to define the title for the child contents. The legend elements are the parent element. This tag is used to define the caption for the <fieldset> element.

Q12) What do you know about frames in HTML?

A: Using frames, one can display more than one HTML document in the same browser window.

- Each HTML document is called a frame.
- Each frame is independent of the other.

Q13) What is frameset tag?

A: The frameset tag defines how to divide the window under consideration into frames.

Q14) What is frame tag?

A: The frame tag defines the HTML document to be put into each frame.

Q15) What are Vertical and Horizontal frameset?

A: Vertical frameset defines how many different documents can be shown vertically in a single webpage and Horizontal frameset defines how many different documents can be shown horizontally in a single webpage.

Q16) How can we prevent user from resizing the frames?

A: We can prevent user from resizing the frames by adding “noresize” to the frame tag.

REFERENCE:

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