

# HTML

## 1) Discuss about table tag and row spanning and col spanning.

Ans)

An HTML table has two kinds of cells:

- Header Cells(<th>.....</th>): Contain header information (created with the element).
- Standard Cells(<td>.....</td>): Contain data (created with the td element).
- The text in a th element is bold and centered.
- The text in a td element is regular and left-aligned.

<tr> stands for Table row

<td> stands for table data

<th> stands for table header

### Row spanning/Column spanning:

- Use rowspan and colspan attribute either in <td> or <th>element.

```
<table>
```

```
<tr>
```

```
<th rowspan=m>Multiple Column Header</th>
```

```
<th colspan=n>Multiple Row Header</th>
```

```
</tr>
```

```
</table>
```

- m & n are integers specifying number of rows and columns respectively.

## 2) How to put image for the unordered list.

Ans)

The list items will be marked with an image by using the following attribute:

**list-style-image:url('logo.gif');**

## 3) Anchor tag with href and Anchor tag with name property.

Ans)

**Example of using the name attribute:**

```
<li><a href="#a001">Jump to a001</a></li>
```

```
<h3><a name="a001">a001</a></h3>
```

# HTML

## 4) HTML 5 input type number, email.





Ans)

### Input Type Number:

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

You can also set restrictions on what numbers are accepted.

The following example displays a numeric input field, where you can enter a value from 1 to 5:

Run »Result Size: 497 x 513

```
<!DOCTYPE html>
<html>
<body>

<p>Numeric restrictions will apply in the input field:</p>

<form action="/action_page.php">
  Quantity (between 1 and 5):
  <input type="number" name="quantity" min="1" max="5">
  <input type="submit">
</form>

<p><b>Note:</b> type="number" is not supported in IE9 and
earlier.</p>

</body>
</html>
```





Numeric restrictions will apply in the input field:

Quantity (between 1 and 5):

**Note:** type="number" is not supported in IE9 and earlier.

### Input Type Email:

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

Run »Result Size: 497 x 513

```
<!DOCTYPE html>
<html>
<body>

<form action="/action_page.php">
  E-mail:
  <input type="email" name="email">
  <input type="submit">
</form>

<p>
<b>Note:</b> type="email" is not supported in IE9 and
earlier.</p>

</body>
</html>
```

E-mail:

**Note:** type="email" is not supported in IE9 and earlier.





# HTML

5) Different input type related to date like : date, week etc.

Ans)

## Input Type Date:

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

Run »Result Size: 497 x 51

```
<!DOCTYPE html>
<html>
<body>

<p>
Depending on browser support:<br>
A date picker can pop-up when you enter the input field.
</p>

<form action="/action_page.php">
  Birthday:
  <input type="date" name="bday">
  <input type="submit">
</form>

<p><strong>Note:</strong> type="date" is not supported in
Internet Explorer 11 and earlier versions.</p>

</body>
</html>
```





Depending on browser support:  
A date picker can pop-up when you enter the input field.

Birthday:

**Note:** type="date" is not supported in Internet Explorer 11 and earlier versions.

## Input Type Week:

The `<input type="week">` allows the user to select a week and year.

Run »Result Size: 497 x 513

```
<!DOCTYPE html>
<html>
<body>

<p>
Depending on browser support:<br>
A date picker can pop-up when you enter the input field.
</p>

<form action="/action_page.php">
  Select a week:
  <input type="week" name="year_week">
  <input type="submit">
</form>

<p><strong>Note:</strong> type="week" is not supported in
Firefox, or Internet Explorer 11 and earlier versions.</p>

</body>
</html>
```

Depending on browser support:  
A date picker can pop-up when you enter the input field.

Select a week:

**Note:** type="week" is not supported in Firefox, or Internet Explorer 11 and earlier versions.

# HTML

6) Discuss placeholder, autofocus, min, max attribute.

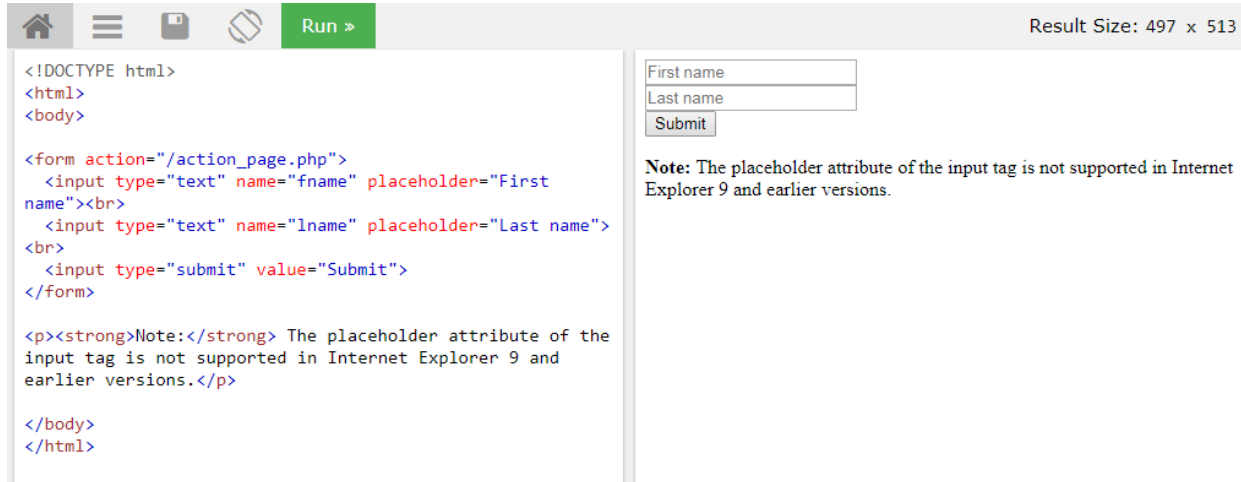
Ans)

## The placeholder Attribute

The placeholder attribute specifies a hint that describes the expected value of an input field (a sample value or a short description of the format).

The hint is displayed in the input field before the user enters a value.

The placeholder attribute works with the following input types: text, search, url, tel, email, and password.



The screenshot shows a web browser window with a toolbar at the top containing icons for home, menu, save, and a 'Run' button. The address bar shows 'Result Size: 497 x 513'. The main content area displays a form with two text input fields labeled 'First name' and 'Last name', and a 'Submit' button. Below the form, a note states: 'Note: The placeholder attribute of the input tag is not supported in Internet Explorer 9 and earlier versions.' The source code on the left shows the HTML for the form, including the placeholder attribute for both input fields.

```
<!DOCTYPE html>
<html>
<body>

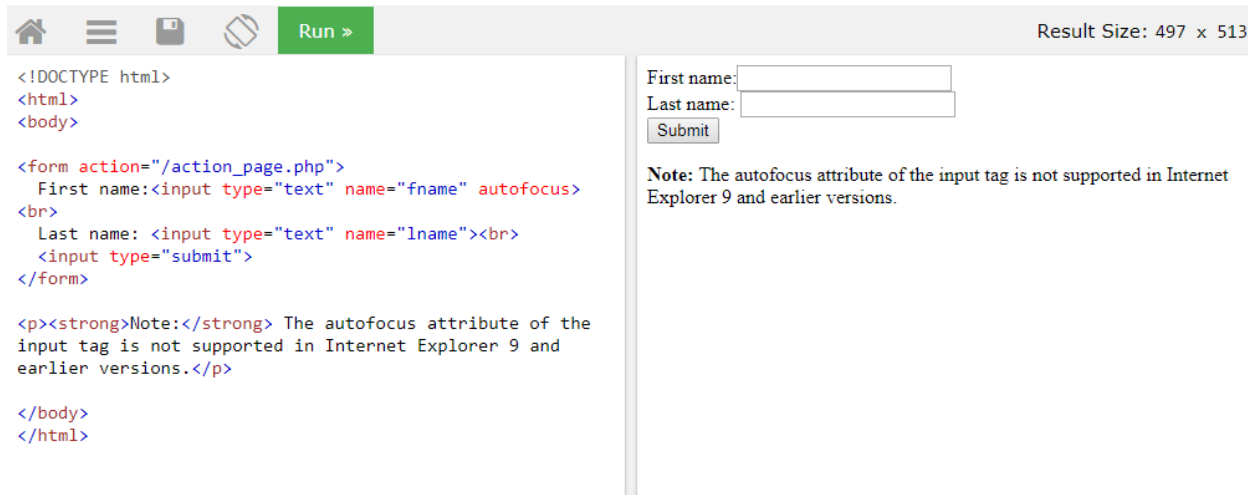
<form action="/action_page.php">
  <input type="text" name="fname" placeholder="First name"><br>
  <input type="text" name="lname" placeholder="Last name">
<br>
  <input type="submit" value="Submit">
</form>

<p><strong>Note:</strong> The placeholder attribute of the
input tag is not supported in Internet Explorer 9 and
earlier versions.</p>

</body>
</html>
```

## The autofocus Attribute:

The autofocus attribute specifies that the input field should automatically get focus when the page loads.



The screenshot shows a web browser window with a toolbar at the top containing icons for home, menu, save, and a 'Run' button. The address bar shows 'Result Size: 497 x 513'. The main content area displays a form with two text input fields labeled 'First name:' and 'Last name:', and a 'Submit' button. Below the form, a note states: 'Note: The autofocus attribute of the input tag is not supported in Internet Explorer 9 and earlier versions.' The source code on the left shows the HTML for the form, including the autofocus attribute for the first input field.

```
<!DOCTYPE html>
<html>
<body>

<form action="/action_page.php">
  First name:<input type="text" name="fname" autofocus>
<br>
  Last name: <input type="text" name="lname"><br>
  <input type="submit">
</form>

<p><strong>Note:</strong> The autofocus attribute of the
input tag is not supported in Internet Explorer 9 and
earlier versions.</p>

</body>
</html>
```

# HTML

## The min and max Attributes:

The min and max attributes specify the minimum and maximum values for an `<input>` element.

The min and max attributes work with the following input types: number, range, date, datetime-local, month, time and week.

The screenshot shows a web browser window with a toolbar at the top. The main content area displays a form with the following elements:

- Enter a date before 1980-01-01:
- Enter a date after 2000-01-01:
- Quantity (between 1 and 5):
- 

Below the form, there are two notes:

- Note:** The max and min attributes of the input tag is not supported in Internet Explorer 9 and earlier versions, or in Firefox.
- Note:** The max and min attributes will not work for dates and time in Internet Explorer 10, since IE 10 does not support these input types.

The source code of the page is visible in the bottom panel, showing the HTML structure and the min/max attributes used in the input fields.

## 7)New `<nav>` tag added for navigation menu.

Ans)

### Definition and Usage:

The `<nav>` tag defines a set of navigation links.

Notice that NOT all links of a document should be inside a `<nav>` element. The `<nav>` element is intended only for major block of **navigation links**.

The screenshot shows a web browser window with a toolbar at the top. The main content area displays a navigation menu with the following links:

- [HTML](#) | [CSS](#) | [JavaScript](#) | [jQuery](#)

Below the navigation menu, there is a note:

- Note:** The nav tag is not supported in Internet Explorer 8 and earlier versions.

The source code of the page is visible in the bottom panel, showing the HTML structure and the `<nav>` tag used for the navigation menu.

# HTML

8) <article> tag is used for blogs and posts.

Ans)

## Article:

- Represents independent component on page
- Separates itself from other elements on page
- Can be used most efficiently in forum posts, blogs, magazine or newspaper etc.

■ Syntax is

```
<article>
<header>
<h1>The Very First Rule of Life</h1>
<p>Published : <time pubdate="pubdate">2009-10-09</time></p>
</header>
<p>If there's a microphone anywhere near you, assume it's hot and sending
whatever you're saying to the world. Seriously.</p>
<p>...</p>
<footer>
<a href="?comments=1">Show comments...</a>
</footer>
</article>
```

9) How to specify file type for file upload.

Ans)

## Definition and Usage:

The accept attribute specifies the types of files that the server accepts (that can be submitted through a file upload).

**Note:** The accept attribute can only be used with <input type="file">.

```
<!DOCTYPE html>
<html>
<body>

<form action="/action_page.php">
  <input type="file" name="pic" accept="image/*">
  <input type="submit">
</form>

<p><strong>Note:</strong> The accept attribute of the
input tag is not supported in Internet Explorer 9 (and
earlier versions), and Safari 5 (and earlier).</p>
<p><strong>Note:</strong> Because of security issues, this
example will not allow you to upload files.</p>

</body>
</html>
```

Choose File No file chosen

Submit

**Note:** The accept attribute of the input tag is not supported in Internet Explorer 9 (and earlier versions), and Safari 5 (and earlier).

**Note:** Because of security issues, this example will not allow you to upload files.

# HTML

10)How to analyze how many radio button or checkbox selected.

Ans)

## Checkbox Element:

- If more than one option is required to be selected from multiple options, then create checkbox as shown below:

```
<input type="checkbox">
```

(Use checked attribute for selecting any checkbox to be selected by default )

- Example:

```
<input type="checkbox" name="hobbies" value="Reading Books"> Reading  
Books <input type="checkbox" name="hobbies" value="Net Surfing"> Net  
Surfing  
<input type="checkbox" name="hobbies" value="Singing" checked> Singing
```

Select your Hobbies: ☐ Reading Books ☐ Net Surfing ☒ Singing

## Radio Button:

- If only one option is required to be selected from multiple options, Then create radio button as shown below:

```
<input type="radio">
```

(Use checked attribute for making a radio button to be selected by default)

- Example:

```
<input type="radio" name="sector" value="Public"> Public  
<input type="radio" name="sector" value="Private"> Private
```

Select your sector in which you are working: ☐ Public ☐ Private