**frames in HTML:**

* 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.
* 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 <frameset> Tag Attributes**

**Cols attribute:**

* Specifies how many columns are contained in the frameset and the size of each column.
* You can specify the width of each column in one of following ways:
* cols="100, 500,100"
* cols="10%, 80%,10%"
* cols="10%, \*,10%"

**Rows attribute:**

* Specifies how many rows are contained in the frameset and the size of each row.
* You can specify the width of each row in one of following ways:
* rows="100, 500,100"
* rows="10%, 80%,10%"
* rows="10%, \*,10%"

**border**

* This attribute specifies the width of the border of each frame in pixels.
* Example: border="5" , A value of zero means no border.

**frameborder**

* This attribute specifies whether a three-dimensional border should be displayed between frames.
* This attribute takes value either 1 means yes or 0 means no.
* Example: frameborder="0", it specifies no border.

**Framespacing**

This attribute specifies the amount of space between frames in a frameset. This can take any integer value.

* Example: framespacing="10" , it means there should be 10 pixels spacing between each frames.

**The <frame> Tag Attributes**

**src**

* This attribute is used to give the file name that should be loaded in the frame.
* Its value can be any URL.
* Example, src="URL/html file"

**name**

* This attribute allows you to give a name to a frame.
* It is used to indicate which frame a document should be loaded into.

**frameborder**

* This attribute specifies whether or not the borders of that frame are shown it overrides the value given in the frameborder attribute on the <frameset> tag if one is given, and this can take values either 1 yes or 0 no.

**marginwidth**

* This attribute allows you to specify the width of the space between
* the left and right of the frame's borders and the frame's content.
* The value is given in pixels.
* Example: marginwidth="10"

**marginheight**

* This attribute allows you to specify the height of the space between the top and bottom of the frame's borders and its contents.
* The value is given in pixels.
* Example: marginheight="10"

**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.
* Example: noresize="noresize"

**Scrolling**

This attribute controls the appearance of the scrollbars that appear on the frame.

* This takes values either "yes", "no" or "auto".
* Example: scrolling="no" means it should not have scroll bars.

Example:

Frame1.html

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body bgcolor="blue">

    <h1 style="color:red">hello world</h1>

</body>

</html>

Frame2.html

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body bgcolor="yellow">

    <h1 style="color:red">hello siva</h1>

</body>

</html>

Frame3.html

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body bgcolor="khaki">

    <h1 style="color:red">hello krishna</h1>

</body>

</html>

Demo.html

<!DOCTYPE html>

<html>

<head>

<title>HTML frames</title>

</head>

<frameset rows="35%,35%,\*">

  <frame src="frame1.html"></frame>

  <frame src="frame2.html"></frame>

  <frame src="frame3.html"></frame>

</frameset>

</html>

Example2:

Demo.html

<!DOCTYPE html>

<html>

<head>

<title>HTML frames</title>

</head>

<frameset cols="30%,\*,20%">

  <frame src="frame1.html"></frame>

  <frame src="frame2.html"></frame>

  <frame src="frame3.html"></frame>

</frameset>

</html>

Example3:

Demo.html

<!DOCTYPE html>

<html>

<head>

<title>HTML frames</title>

</head>

<frameset cols="30%,\*,20%" border="20px" frameborder="1" framespacing="10">

  <frame src="frame1.html" name="first\_frame"></frame>

  <frame src="frame2.html" marginwidth="100px"></frame>

  <frame src="frame3.html" marginheight="200px" noresize="noresize"></frame>

</frameset>

</html>