

Padasalai⁹S Telegram Groups!

(தலைப்பிற்கு கீழே உள்ள லிங்கை கிளிக் செய்து குழுவில் இணையவும்!)

- Padasalai's NEWS Group https://t.me/joinchat/NIfCqVRBNj9hhV4wu6_NqA
- Padasalai's Channel Group https://t.me/padasalaichannel
- Lesson Plan Group https://t.me/joinchat/NIfCqVWwo5iL-21gpzrXLw
- 12th Standard Group https://t.me/Padasalai 12th
- 11th Standard Group https://t.me/Padasalai_11th
- 10th Standard Group https://t.me/Padasalai_10th
- 9th Standard Group https://t.me/Padasalai 9th
- 6th to 8th Standard Group https://t.me/Padasalai_6to8
- 1st to 5th Standard Group https://t.me/Padasalai_1to5
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COMPUTER APPLICATIONS

11. HTML - Formatting text, Creating Tables, List and Links SECTION-B

Answer to the following questions (2 Marks):

1. Write a short note on (i) (ii)

 Important text

The **strong** tag is a **phrase** tag. It is used to define **important** text. This tag displays the text as bold.

 - Emphasized text

The **em** tag is used to emphasize the text, the text will be in italics.

2. What is the use of <mark> tag?

Highlighting is an important formatting feature is used to call attention to the reader.

The **mark**> tag is used to highlight the text in HTML. This is also a container tag.

3. Write the following equation as HTML notation: Pd = 25 - Q2

<Html> <head> <title>html notation</title> </head>

<body> Pd = 25 – Q2 </body>

</html>

4. Write about any two attributes of font tag.

- There are three main Attributes for Font tag
- The **face** is an attribute to set different font style. The name of a font has **multiple** words it should be specified within double quote.
- The **size** attribute is used to set size of the text. The size can have an absolute value from 1 to 7. These predefined sizes are known as **virtual** size. Each virtual size is successively **20%** larger than the previous one.
- The **color** attribute is used to set the color to the text.

Note: The tag is not supported by **HTML5**.

5. What is thematic break? (Book inside 5 Mark)

The <hr> (Horizontal Rules) tag, which is known as "Thematic Breaks" separate sections of an HTML document visually.

It produces a horizontal line spread across the width of the browser. This is an **empty** tag

6. What is pixel?

A **pixel** is one of the **tiny** dots that make up the display on computer. **72 pixels** equal to an inch. Pixel is usually referred as points.

For example: The code **<hr size = 72>** display a horizontal line with 1 inch thickness. The default size is **3** pixels.

7. What are the types of list in HTML?

HTML supports three types of lists viz. numbered, unnumbered and definition. These lists are called as Ordered List, Unordered List and Definition List respectively.

8. How will you define numbered

list? Numbered List / Ordered List

- Numbered list is created within the tag pair **** **** tag.
- The tag **** is used to present the list item in the list.
- Ordered list displays items in a numerical or alphabetical order.
- Both **** and **** tags are container tags. closing tag **** never be used.

Attributes of Ordered List:

There are two attributes can be used to customize ordered list, they are

- (1) Type changing numbering style
- (2) Start changing numbering order.

Type – is used to change the number style. The default number style is standard Arabic numerals (1,2,3,....).

SECTION-C

Answer to the following questions (3 Marks):

1. Write an HTML code to display the following text in exactly the same way as given below.

<html><head><title> Html</title></head>

<body>

I am studying Computer Science

Application. </body</html>

2. Briefly explain the attributes of <hr> tag.

Attributes of <hr> tag (ANY 3)

The **<hr>** tag having four attributes viz. **size, width, noshade** and **color**. These attributes are used to set size, width, 3D appearance and color to the horizontal line respectively.

Size: Thickness of the horizontal line can be changed with size attribute.

The **size** is given in terms of pixels. The default size is **3** pixels.

Width: The width attribute specifies the horizontal width of the rule line.

The default rule is drawn across the full width of the browser.

The value of the width attribute may be the exact width of the rule in **pixel** or a certain percentage.

the value of the width is specified as percentage. 100% is the default width.

For example:

<hr width = 50%> display an half of a horizontal rule line on the browser window.

Noshade: The default view of a horizontal rule line is 3D. So, no need to specify the term "noshade" as an attribute with <hr> tag. If you specify the attribute "noshade" turn off 3D view, turns on 2D view. Noshade is a **Boolean type** attribute

Color: The horizontal line is displayed in **gray** color by default. The color attribute is used to change is default color to desired color.

The general syntax of **<hr>** tag with attributes:

<hr size=value width=value roshade, color=color_parne/code>

Note: All attributes of <hr> tag is not supported by HTML5 3. What are the core tags used to create table in HTML?

There are five core tags are used to create a table in HTML. They are, tag is used to create a table. **>** tag defines table rows

tag defined table columns

tag is used to specify the data in a cell

<caption> tag defines title for the table

4. Write an HTML code to provide hyperlink to https://www.w3schools.com

<html><head><title> hyperlink </title></head>

<body>

w3schools </body</html>

5. Difference between and tags.

 tag	 tags	
Ordered list displays items in a	Ordered list displays items in a special	
numerical or alphabetical order.	bullet symbol	
Unordered lists are often referred as	Unordered lists are often referred as bulleted	
numbered lists	lists	
To list item in using 	To list item in using 	

6. Write HTML code to produce the following table:

SECTION-D

Answer to the following questions (5 Marks):

1. Write an HTML code the show the following text: Program:

```
<html><head><title>table
program</title></head> <boby>
<center>MODERN ATOMIC THEORY</center>
<br/>b>The findings of modern atomic theory are given as
follows:</b> 
An atom is the smallest particle which takes part in chemical
reaction. An atom is considered to be a divisible particle.
The atoms of the same element may not be similar in all
respects. <dl>
<dd>eg: Isotopes (<sub>17</sub>Cl<sup>35</sup>, <sub>17</sub>Cl<sup>37</sup>)
</dl> 
ul>
The atoms of different elements may be similar in some
respects. <dl>
<dd>eg. Isobars (<sub>18</sub>Ar<sup>40</sup>,
<sub>20</sub>Ca<sup>40</sup>) </dl>
</body>
</html>
2. Explain the attributes used with  tag in HTML.
```

2. Explain the attributes used with tag in HTML. Attributes of table (Any 3)

The is a container tag. There are several attributes to improve the layout of the table. They are listed below:

- **1. Cellspacing:** It is used to set the space between cells in a table. The value should be in pixels
- **2. Cellpadding:** It is used to set the space between the contents of a cell and its border. the value should be in pixels.
- **3. Border:** Border attribute with tag is used to specify the thickness of the border lines around the table.

The value of the border attribute should be a non zero value in pixels. (displays the table without border). The default value is Zero in most the browsers.

- **4. Bordercolor:** It is used to apply the colour to the border lines.
- **5. Align:** It is used to set the position of the table within the browser window. **Left** is the default position. **Right** or **center** may be the value of align attribute.
- **6. BGcolor:** It is used to apply background colour to the table.
- 7. Height and Width:

These two attributes are used to specify the height and width of a table in terms of **pixels** or **percentage**.

3. Explain the types of list with suitable HTML code.

HTML supports three types of lists viz. numbered, unnumbered and definition. These lists are called as Ordered List, Unordered List and Definition List respectively.

- Numbered list is created within the tag pair **** **** tag.
- The tag **** is used to present the list item in the list.
- Ordered list displays items in a numerical or alphabetical order.

• Both **** and **** tags are container tags. closing tag **** never be used. **Attributes of Ordered List:**

There are two attributes can be used to customize ordered list, they are

(1) Type - changing numbering style

Type value	Numbering style	
1	Standard Arabic Numerals 1,2,3,4,	
a	Lowercase letters a, b, c, d,	
A	Uppercase letter A, B, C, D	
i	Lowercase Roman numerals i, ii, iii, iv, v	
I	Uppercase Roman numerals I, II, III, IV, V	

(2) Start -

changing numbering order.

Type – is used to change the **number** style. The default number style is standard **Arabic numerals** (1,2,3,....).

Start – is used to specify the number of letter with which start the list. The default starting point is 1.

Un-numbered List / Unordered List

- Unordered lists are often referred as **bulleted** lists. Instead of numbers,
- each element in the list has prefixed with a special bullet symbol. Using tag
- Unordered list is surrounded within **** **** tags

Attribute of Unordered List:

type attribute is used to customize bullet style for the list of elements. By default, a solid circle is used as bullets.

Type value	Numbering style		
Disc	A solid circle		
Square	A solid square		
Circle	o An unfilled circle		

Definition List

- Definition list is different from other two types of list. No bullet or number is provided for the list items.
- The list element has two parts.
 - (1) A definition term (2) The definition description
- Definition list is surrounded within **<DL>**......**</DL>** tags.
- Definition term is presented in between <**DT**>.....</**DT**> tag and
- Definition description should be surrounded within **DD**>......**/DD**> tag.

Example:

<html> <head> <title> list in Html</title</head>

<body>

type=A>

hardware

software

ul>

network

mail

<dl>

<dt> HTML

<dd> Hypertext markup Lanaguage

</dl>
</body></html>

4. What is Link and explain the types of links.

- Link is an important feature of HTML to connect web resources.
- Link in HTML is used to create hyperlinks to web content.
- Web content may be an HTML document(internal) or an external webpage or any
 multimedia content such as an image, video, audio, animation etc., or even a part
 of the current document.
- (1) The name of the file or URL to which you want to link
- (2) The text that will serve as the **clickable** link.

The anchor tag <A> is used to create links along with **HREF** attribute. **HREF** is abbreviated as "**Hypertext Reference**".

Structure of an anchor tag with href:

 Text - Clickable link

Example: **SCERT </**A>

5. Write HTML code to create the following

table:

<table border=1 cellspacing=0

cellpadding=16>

A

B

C

>10

!! / td >

VAlign=top>G

F

Book Question

Define Tables in HTML

- Table is grid of rows and columns.
- The tables were officially introduced with HTML 3.2.
- Tables are useful for the general display of **tabular** data.
- Representing table in HTML is **heavy** on tags.

What other Tags used to create table elements

Apart from these five core tags, , **<thead>** and **<tfoot>** tags are also used to define and control whole sections of table.

All the above tags are container tags.

What are the Attributes of <TD>, <TH> and <TR> tags:

- **1. Align** Used to specify the horizontal alignment of content within a cell. **Left** is the default alignment. Possible values are **Right** and **Center**.
- **2. VAlign** Used to specify the vertical alignment of the contents within a cell. **Bottom** is the default alignment. Possible values are **Top** and **Middle**
- **3. Width** Used to specify the width of a cell in terms of pixels or percentage.
- 4. BGcolor and Background
- **Bgcolor** attribute is used to apply a particular colour to the background of a cell.
- **Background** attribute is used to apply an image or picture as background of a cell.
- 5. Rowspan and Colspan

- Rowspan attribute is used to merge two or more cells in a row as a single cell.
- Colspan attribute is used to merge to two or more cells in a column as a single cell.

How to format the text in html

- Format the text such making bold, italic, underline, changing font style, font size, font color and more.
- Formatting text is very important as well as interesting task in creating web pages. Formatting is purely based on your imagination and creativity.

Define Nested Lists:

A list block can be defined inside another list is called as nested

list. What are the Comparison of tags:

Tag	Usage	Tag	Usage	Final Output
>	To show the text in bold		To show important text	Bold
<i>></i>	To show the text as italics		To Call attention	Italics
<u></u>	To show the text as underlined	<ins></ins>	To insert a text	Underline
<s></s>	To show the wrong text		To replaced or deleted text	Strike through



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EXAMPLE

Thiruvallur

PROGRAM

<center> Thiruvallur < /center>

DESCRIPTION

The tag is used to centralize a

segment of text.

TAG

<Center>

</center>

NAME

Center



COMPUTER APPLICATIONS 12. HTML - Adding multimedia elements and Forms

Part - II

Answer to the following questions (2 Marks):

1. List out the popular image formats.

Most of the browsers supports, GIF, JPEG and PNG images formats

- GIF (Graphical Interchange Format)
- JPEG (Joint Photographic Experts Group)
- PNG (Portable Network Graphics)

2. Write down the general format of marquee

General format:

<marquee> Text or image to be scroll </marquee>

3. What is inline sound or movie?

Music can be played in the background to a webpage, while the page is viewed. This is known as 'inline' sound or movie..

4. What is the purpose of <input> tag?

The purpose of <input> tag is to form controls, form controls are created by using <input> tag. The <input> is an empty tag used to create different form elements or controls such as text box, radio buttons so on.

5. Which tag is used to specify the list of items in dropdown list box?

- The **<select>** tag is used to create dropdown list box in HTML.
- It provides a list of various options as a dropdown list

6. What are the major attributes are available in <textarea> tag? Define <textarea>

The <Textarea > tag used to receive multi line text data as input. It is a container tag. The main attributes of <Textarea > are

Name - Used to define name to the control

Rows - Specifies the number of rows in the text area control

Cols - Specifies the number of columns in the text area. (number of characters in a line)

Part - III

Answer to the following questions (3 Marks):

- 1. Write a short note on familiar images format.
- i. GIF (Graphical Interchange Format)
- This format is one of the popular format for animated images.
- It was developed by **CompuServe**.
- This format is suitable for presenting tiny animated images, logos, icons, etc.,
- It is not suitable for photographic work, because it uses maximum of 256 colours.
- Animated **GIF** do not support sound or playback control.

ii. JPEG (Joint Photographic Experts Group)

- JPEG is the most popular image format supported by all web browsers.
- This format is suitable for photographic images.
- JPEG can include any number of colours.(supported Full color)

iii. PNG (Portable Network Graphics)

- PNG is designed as a replacement for **GIF**.
- It is also supported by all browsers.
- iv. SVG (Scalable Vector Graphics)----- HTML-5 introduces SVG images.
- SVG is a graphics format that was developed for web.
- It was standardized by World Wide Web Consortium (W3C) in 2001.
- All current web browsers supports basic features of **SVG**.
- 2. How will you scroll the text in HTML?

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General format:

<marquee> Text or image to be scroll </marquee>

Attributes of <marquee>

AttributeValuebehaviorScroll, slide, alternate		Description		
		• Used to specify the type of scrolling.		
direction	Up, down, left, right (Default is left)	 To specify the direction of the movement of text or image. The text or image will move towards right to left by default. 		
Height & Width	pixels or %	•These attributes are used to set height and width of the marquee.		
loop	number	• Specifies how many times to loop. The default value is INFINITE, which means that the marquee loops endlessly.		
scrolldelay	Seconds(time unit)	•Used to Defines time delay between each jump.		
scrollamount	number	•Used to Defines the speed of the scroll.		
Vspace & Hspace	pixels or %	• Specifies vertical space around the marquee.		

3. Explain the main attributes used with <form> tag. Main Attributes used with <form> tag

The important attributes used with the <form> tag are method and action attributes.

Method

The method attribute of the **form** tag is used to identify how the form element names and values will be sent to the server.

The **get** method will append the names of the form elements and their values to the URL. The **rost** method will send the names and values of the form elements as packets.

Action

The action attribute identifies the server side program or script that will process the form. The action will be the name of a Common Gateway Interface (CGI) program written in programming languages like Perl JavaScript, PHP or Active Server Pages (ASP).

General Format of <form> tag

<Form method=get/post action= "back_end_server_script">
 Form elements

</Form>

4. Explain the values of <input> tag's type attribute.

Value of type attribute	Description			
Text	Create a Text Box . The element used to get all kind of text input such as name, address etc.,			
Password	Similar as Text box. But, while entering data, the characters are appearing as coded symbols such as asterisk .			
Checkbox Multiselect box	Check box is an element appearing like a small square box. When the user click on the square a tiny tick mark will appear inside the square. This element is used to select multiple options.			
Radio Button	Radio button is used to select any one of the multiple options from the list. This element looks like a small circle, when the user select an item, a tiny dot will appear within the circle. If the user selects another option, previously selected option will be deselected . This means, user can select any one of the given option form a group.			
Reset	It is a special command button used to clear all the entries made in the form.			
Submit	It is also a special command button used to submit all the entries made in the form to the backend server.			

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Button	wThisPisdas staint	ard graphical blick	outton/on/thebformsusecht	to call
1//	May	WWW.	Monage	WHAT W.
99,922 x 1.	WWW.Paddasa	BER WHILL	ser-	50°
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Send Your Questions & Answer Keys to our email id - padasalai.net@gmail.com

5. Explain the attributes of <select> and <option> tags. or Define select and Option tag? With its attributes

- The **<select>** tag is used to create dropdown list box in HTML.
- It provides a list of various options as a dropdown list.
- This element is more helpful when a number of options are to be displayed in a limited space.
- The <option> tag is used to specify list items.

Attributes of <select> tag:</select>	Attributes of <option> tag:</option>
Name – Provide the name to the control, which is	Selected – Indicate default selection
sent to the server.	Walley. Walley.
Size – Determine the style of dropdown list box.	Value – Value to be submitted to server
Size = 1 dropdown list box	13/2019
Size = 2 List box	310.
Multiple – Allows user to select multiple values.	Mar.

Book Question

How will you Inserting Images with HTML document or Define IMG tag.

The **IMG**> tag along with the attribute **src** (Source) is used to add images in HTML document. **Images** displayed on the web page should be converted to universally supported format.

General format:

 (OR)

Note: If the image is not in the current working folder, the image file name should clearly specify with the path of the file or URL, where the file is available.

Example:

Attributes of tag:

Attributes of tag:	g> tag: Description The main attribute used to specify the file name of the image to be inserted		
Src (Source)			
Alt: (Alternative Text)	Attribute used to describe the image		
Width and Height	Attributes are used to set the width and height of an image. The values pixels or percentage of its actual size.		
Vspace (Vertical Space) &	Attributes are used to set Vertical and Horizontal space		
Hspace (Horizontal Space)	between the images.		
Align	The align attribute used to aligns the image with respect to the base line of the text. Bottom – Aligns the bottom of the image with the baseline of the text. default setting. Middle – Aligns the middle of the image with the baseline of the text. Top – Aligns the top of the image with the baseline of the text.		
Left and Right values of Align attribute	Its displayed the image on the left and right side of the text.		

Note: the browser displays the image in its **original** size. when attributes are not specified **Example:**

<img src ="bharathiyar.gif" alt ="National Poet of India" Width=20% Height=25% vpace = 20
Hspace = 20>

How will you add Video and Audio into the Webpage

- Video and Sound are the core part of the modern web pages.
- A video or audio content may be included as Inline or external data.

Inline	External	
The inline refers to audio or video files are	The External refers linking external audio	
handled as part of the page.	or video files as url.	

• The **<embed>** tag is used to attach an audio or video file easily within webpage.

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• This <embed/>	tag includes the controls	of the multimedia auto	matically in the browser.
Dronagad by . N. Vanthia	ck M.C.A., M.Phil., Kingston Matri	ic Ur Coc School Vandavasi	T.Dt., 604408 Page

• The **<noembed>** tag may be used as an **alternate** to display some other media file, in the case of the browser does not support <embed> tag.

Attribute of <embed> tag

- **Src** is the primary attribute used with <embed> tag.
- The src attribute used to specify the name of the media file with its source location.
- Other attributes such as alt, height, width and align are used as it is used with .

General Format:

<embed src = audio / video file name with location> </embed>

How will insert sound or audio file into the html document?

Music can be played in the background to a webpage, while the page is viewed. This is known as 'inline' sound or movie.

The
bgsound> tag is used to attach an inline sound file in HTML.

Attributes of < bgsound > tag:

The **src** attribute is used to define the location of the media file.

The **Volume** attribute used to adjust volume control.

The **loop** attribute defines the duration of play. The 'infinite' value causes the audio play as long as the page is in view.

General Format:

*bgsound src="music file name with location">

How will insert form into the html document?

- The <form> tag is used to create a form.
- An HTML from starts with <form> and ends with </form> tag.
- Forms contain many types of form elements, such as text boxes, radio buttons, check boxes, buttons and drop-down lists.
- The form has a special element, which is **submit** button, which will submit the entries of a form to a server application to process the entries.
- The values they enter or select are passed with the name of the corresponding form element to the Web server.

Attributes frequently used with <form> tag

The important attributes used with the <form> tag are method and action attributes

wethod

The method attribute of the **form** tag is used to identify how the form element names. The **get** method will append the names of the form elements and their values to the URL. The **post** method will send the names and values of the form elements as packets.

Action

The **action** attribute identifies the server side program or script that will process the form. The action will be the name of a Common Gateway Interface (CGI)

General Format of <form> tag

<Form method=get/post action= "back_end_server_script">
 Form elements

</Form>

Form Controls:

In HTML, there are different types of form controls are used to collect data. They are Text box, Password, Checkbox, Radio buttons, Text area, Select box, Submit and Reset Button.

<Input> Tag

Most of the form controls are created by using <input> tag. The <input> is an empty tag used to create different form elements or controls such as text box, radio buttons so on.

Attributes of <input> tag:

Type: This attribute is used define the type of control to be created by <input> tag. The

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Name: This attribute of <input> tag is used to assign a name to the input controls. The data values are passed to the server along with the names of the controls.

Value: This attribute is used to define default value to some controls.

Size: This is used to set the width of the input text in terms of characters. It is applicable only for textbox and password boxes.

Maxlength: This attribute of <input> tag is used to set the length of the input character (number of characters to be inputted) to the **textbox** and **password** boxes.

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