Web Assignment no 1

Group members

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Q1: What is Image Map Tag, Picture Element and How we can add image in background without using CSS? Give one Example of Each.

Image map tag:

The HTML <map> tag defines an image map. An image map is an image with clickable areas. The areas are defined with one or more <area> tags.

Example : <img src="workplace.jpg" alt="Workplace" usemap="#workmap">  
  
<map name="workmap">  
 <area shape="rect" coords="34,44,270,350" alt="Computer" href="computer.htm">  
 <area shape="rect" coords="290,172,333,250" alt="Phone" href="phone.htm">  
 <area shape="circle" coords="337,300,44" alt="Coffee" href="coffee.htm">  
</map>

Picture element:

The HTML <picture> element gives web developers more flexibility in specifying image resources. The <picture> element contains one or more <source> elements, each referring to different images through the srcset attribute. This way the browser can choose the image that best fits the current view and/or device.

<picture>  
 <source media="(min-width: 650px)" srcset="img\_food.jpg">  
 <source media="(min-width: 465px)" srcset="img\_car.jpg">  
 <img src="img\_girl.jpg">  
</picture>

How we can add image in background without using CSS? Give one Example

The most common & simple way to add background image is using the background image attribute inside the <body> tag.

<!**DOCTYPE** html>

<**html**>

<**body** background="edureka.png">

<**h1**>Welcome to Edureka</**h1**>

<**p**><**a** href="[https://www.edureka.co](https://www.edureka.co/)">Edureka.co</**a**></**p**>

</**body**>

</**html**>

Q2: List down all tags categories in HTML5 and HTML4?

Answer: ***Tags in HTML5:-***

|  |  |
| --- | --- |
| <article> | This element is used to define an independent piece of content in a document, that may be a blog, a magazine or a newspaper article. |
| <aside> | It specifies that article is slightly related to the rest of the whole page. |
| <audio> | It is used to play audio file in HTML. |
| <bdi> | The bdi stands for bi-directional isolation. It isolates a part of text that is formatted in other direction from the outside text document. |
| <canvas> | It is used to draw canvas. |
| <data> | It provides machine readable version of its data. |
| <datalist> | It provides auto complete feature for textfield. |
| <details> | It specifies the additional information or controls required by user. |
| <dialog> | It defines a window or a dialog box. |
| <figcaption> | It is used to define a caption for a <figure> element. |
| <figure> | It defines a self-contained content like photos, diagrams etc. |
| <footer> | It defines a footer for a section. |
| <header> | It defines a header for a section. |
| <main> | It defines the main content of a document. |
| <mark> | It specifies the marked or highlighted content. |
| <menuitem> | It defines a command that the user can invoke from a popup menu. |
| <meter> | It is used to measure the scalar value within a given range. |
| <nav> | It is used to define the navigation link in the document. |
| <progress> | It specifies the progress of the task. |
| <rp> | It defines what to show in browser that don't support ruby annotation. |
| <rt> | It defines an explanation/pronunciation of characters. |
| <ruby> | It defines ruby annotation along with <rp> and <rt>. |
| <section> | It defines a section in the document. |
| <summary> | It specifies a visible heading for <detailed> element. |
| <svg> | It is used to display shapes. |
| <time> | It is used to define a date/time. |
| <video> | It is used to play video file in HTML. |
| <wbr> | It defines a possible line break. |

***Tags in HTML4:-***

|  |  |  |
| --- | --- | --- |
| **Tag** | **Description** | **Browser** |
| [<!--...-->](https://www.tutorialspoint.com/html/html_comment_tag.htm) | Specifies a comment |  |
| [<!DOCTYPE>](https://www.tutorialspoint.com/html/html_doctype_tag.htm) | Specifies the document type |  |
| [<a>](https://www.tutorialspoint.com/html/html_a_tag.htm) | Specifies an anchor |  |
| [<abbr>](https://www.tutorialspoint.com/html/html_abbr_tag.htm) | Specifies an abbreviation |  |
| [<acronym>](https://www.tutorialspoint.com/html/html_acronym_tag.htm) | Specifies an acronym |  |
| [<address>](https://www.tutorialspoint.com/html/html_address_tag.htm) | Specifies an address element |  |
| [<applet>](https://www.tutorialspoint.com/html/html_applet_tag.htm) | Deprecated. Specifies an applet |  |
| [<area>](https://www.tutorialspoint.com/html/html_area_tag.htm) | Specifies an area inside an image map |  |
| [<b>](https://www.tutorialspoint.com/html/html_font_style_tag.htm) | Specifies bold text |  |
| [<base>](https://www.tutorialspoint.com/html/html_base_tag.htm) | Specifies a base URL for all the links in a page |  |
| [<basefont>](https://www.tutorialspoint.com/html/html_basefont_tag.htm) | Deprecated. Specifies a base font |  |
| [<bdo>](https://www.tutorialspoint.com/html/html_bdo_tag.htm) | Specifies the direction of text display |  |
| [<bgsound>](https://www.tutorialspoint.com/html/html_bgsound_tag.htm) | Specifies the background music | IE |
| [<big>](https://www.tutorialspoint.com/html/html_font_style_tag.htm) | Specifies big text |  |
| [<blink>](https://www.tutorialspoint.com/html/html_blink_tag.htm) | Specifies a text which blinks | NS |
| [<blockquote>](https://www.tutorialspoint.com/html/html_blockquote_tag.htm) | Specifies a long quotation |  |
| [<body>](https://www.tutorialspoint.com/html/html_body_tag.htm) | Specifies the body element |  |
| [<br>](https://www.tutorialspoint.com/html/html_br_tag.htm) | Inserts a single line break |  |
| [<button>](https://www.tutorialspoint.com/html/html_button_tag.htm) | Specifies a push button |  |
| [<caption>](https://www.tutorialspoint.com/html/html_caption_tag.htm) | Specifies a table caption |  |
| [<center>](https://www.tutorialspoint.com/html/html_center_tag.htm) | Deprecated. Specifies centered text |  |
| [<cite>](https://www.tutorialspoint.com/html/html_phrase_elements_tag.htm) | Specifies a citation |  |
| [<code>](https://www.tutorialspoint.com/html/html_phrase_elements_tag.htm) | Specifies computer code text |  |
| [<col>](https://www.tutorialspoint.com/html/html_col_tag.htm) | Specifies attributes for table columns |  |
| [<colgroup>](https://www.tutorialspoint.com/html/html_colgroup_tag.htm) | Specifies groups of table columns |  |
| [<comment>](https://www.tutorialspoint.com/html/html_comment_tag.htm) | Puts a comment in the document | IE |
| [<dd>](https://www.tutorialspoint.com/html/html_dd_tag.htm) | Specifies a definition description |  |
| [<del>](https://www.tutorialspoint.com/html/html_del_tag.htm) | Specifies deleted text |  |
| [<dfn>](https://www.tutorialspoint.com/html/html_phrase_elements_tag.htm) | Specifies a definition term |  |
| [<dir>](https://www.tutorialspoint.com/html/html_dir_tag.htm) | Deprecated. Specifies a directory list |  |
| [<div>](https://www.tutorialspoint.com/html/html_div_tag.htm) | Specifies a section in a document |  |
| [<dl>](https://www.tutorialspoint.com/html/html_dl_tag.htm) | Specifies a definition list |  |
| [<dt>](https://www.tutorialspoint.com/html/html_dt_tag.htm) | Specifies a definition term |  |
| [<em>](https://www.tutorialspoint.com/html/html_phrase_elements_tag.htm) | Specifies emphasized text |  |
| [<embed>](https://www.tutorialspoint.com/html/html_embed_tag.htm) | Deprecated. Embeds an application in a document | IE & NS |
| [<fieldset>](https://www.tutorialspoint.com/html/html_fieldset_tag.htm) | Specifies a fieldset |  |
| [<font>](https://www.tutorialspoint.com/html/html_font_tag.htm) | Deprecated. Specifies text font, size, and color |  |
| [<form>](https://www.tutorialspoint.com/html/html_form_tag.htm) | Specifies a form |  |
| [<frame>](https://www.tutorialspoint.com/html/html_frame_tag.htm) | Specifies a sub window (a frame) |  |
| [<frameset>](https://www.tutorialspoint.com/html/html_frameset_tag.htm) | Specifies a set of frames |  |
| [<h1> to <h6>](https://www.tutorialspoint.com/html/html_hn_tag.htm) | Specifies header 1 to header 6 |  |
| [<head>](https://www.tutorialspoint.com/html/html_head_tag.htm) | Specifies information about the document |  |
| [<hr>](https://www.tutorialspoint.com/html/html_hr_tag.htm) | Specifies a horizontal rule |  |
| [<html>](https://www.tutorialspoint.com/html/html_html_tag.htm) | Specifies an html document |  |
| [<i>](https://www.tutorialspoint.com/html/html_font_style_tag.htm) | Specifies italic text |  |
| [<iframe>](https://www.tutorialspoint.com/html/html_iframe_tag.htm) | Specifies an inline sub window (frame) |  |
| [<ilayer>](https://www.tutorialspoint.com/html/html_ilayer_tag.htm) | Specifies an inline layer | NS |
| [<img>](https://www.tutorialspoint.com/html/html_img_tag.htm) | Specifies an image |  |
| [<input>](https://www.tutorialspoint.com/html/html_input_tag.htm) | Specifies an input field |  |
| [<ins>](https://www.tutorialspoint.com/html/html_ins_tag.htm) | Specifies inserted text |  |
| <isindex> | Deprecated. Specifies a single-line input field |  |
| [<kbd>](https://www.tutorialspoint.com/html/html_phrase_elements_tag.htm) | Specifies keyboard text |  |
| [<keygen>](https://www.tutorialspoint.com/html/html_keygen_tag.htm) | Generate key information in a form |  |
| [<label>](https://www.tutorialspoint.com/html/html_label_tag.htm) | Specifies a label for a form control |  |
| [<layer>](https://www.tutorialspoint.com/html/html_layer_tag.htm) | Specifies a layer | NS |
| [<legend>](https://www.tutorialspoint.com/html/html_legend_tag.htm) | Specifies a title in a fieldset |  |
| [<li>](https://www.tutorialspoint.com/html/html_li_tag.htm) | Specifies a list item |  |
| [<link>](https://www.tutorialspoint.com/html/html_link_tag.htm) | Specifies a resource reference |  |
| [<map>](https://www.tutorialspoint.com/html/html_map_tag.htm) | Specifies an image map |  |
| [<marquee>](https://www.tutorialspoint.com/html/html_marquee_tag.htm) | Create a scrolling-text marquee | IE |
| [<menu>](https://www.tutorialspoint.com/html/html_menu_tag.htm) | Deprecated. Specifies a menu list |  |
| [<meta>](https://www.tutorialspoint.com/html/html_meta_tag.htm) | Specifies meta information |  |
| [<multicol>](https://www.tutorialspoint.com/html/html_multicol_tag.htm) | Specifies a multicolumn text flow | NS |
| [<nobr>](https://www.tutorialspoint.com/html/html_nobr_tag.htm) | No breaks allowed in the enclosed text |  |
| [<noembed>](https://www.tutorialspoint.com/html/html_noembed_tag.htm) | Specifies content to be presented by browsers that do not support the <embed> tag | NS |
| [<noframes>](https://www.tutorialspoint.com/html/html_noframes_tag.htm) | Specifies a noframe section |  |
| [<noscript>](https://www.tutorialspoint.com/html/html_noscript_tag.htm) | Specifies a noscript section |  |
| [<object>](https://www.tutorialspoint.com/html/html_object_tag.htm) | Specifies an embedded object |  |
| [<ol>](https://www.tutorialspoint.com/html/html_ol_tag.htm) | Specifies an ordered list |  |
| [<optgroup>](https://www.tutorialspoint.com/html/html_optgroup_tag.htm) | Specifies an option group |  |
| [<option>](https://www.tutorialspoint.com/html/html_option_tag.htm) | Specifies an option in a drop-down list |  |
| [<p>](https://www.tutorialspoint.com/html/html_p_tag.htm) | Specifies a paragraph |  |
| [<param>](https://www.tutorialspoint.com/html/html_param_tag.htm) | Specifies a parameter for an object |  |
| [<plaintext>](https://www.tutorialspoint.com/html/html_plaintext_tag.htm) | Deprecated. Render the raminder of the document as preformatted plain text |  |
| [<pre>](https://www.tutorialspoint.com/html/html_pre_tag.htm) | Specifies preformatted text |  |
| [<q>](https://www.tutorialspoint.com/html/html_q_tag.htm) | Specifies a short quotation |  |
| [<s>](https://www.tutorialspoint.com/html/html_strike_tag.htm) | Deprecated. Specifies strikethrough text |  |
| [<samp>](https://www.tutorialspoint.com/html/html_phrase_elements_tag.htm) | Specifies sample computer code |  |
| [<script>](https://www.tutorialspoint.com/html/html_script_tag.htm) | Specifies a script |  |
| [<select>](https://www.tutorialspoint.com/html/html_select_tag.htm) | Specifies a selectable list |  |
| [<spacer>](https://www.tutorialspoint.com/html/html_spacer_tag.htm) | Specifies a white space | NS |
| [<small>](https://www.tutorialspoint.com/html/html_font_style_tag.htm) | Specifies small text |  |
| [<span>](https://www.tutorialspoint.com/html/html_span_tag.htm) | Specifies a section in a document |  |
| [<strike>](https://www.tutorialspoint.com/html/html_strike_tag.htm) | Deprecated. Specifies strikethrough text |  |
| [<strong>](https://www.tutorialspoint.com/html/html_phrase_elements_tag.htm) | Specifies strong text |  |
| [<style>](https://www.tutorialspoint.com/html/html_style_tag.htm) | Specifies a style definition |  |
| [<sub>](https://www.tutorialspoint.com/html/html_sup_tag.htm) | Specifies subscripted text |  |
| [<sup>](https://www.tutorialspoint.com/html/html_sup_tag.htm) | Specifies superscripted text |  |
| [<table>](https://www.tutorialspoint.com/html/html_table_tag.htm) | Specifies a table |  |
| [<tbody>](https://www.tutorialspoint.com/html/html_tbody_tag.htm) | Specifies a table body |  |
| [<td>](https://www.tutorialspoint.com/html/html_td_tag.htm) | Specifies a table cell |  |
| [<textarea>](https://www.tutorialspoint.com/html/html_textarea_tag.htm) | Specifies a text area |  |
| [<tfoot>](https://www.tutorialspoint.com/html/html_tfoot_tag.htm) | Specifies a table footer |  |
| [<th>](https://www.tutorialspoint.com/html/html_th_tag.htm) | Specifies a table header |  |
| [<thead>](https://www.tutorialspoint.com/html/html_thead_tag.htm) | Specifies a table header |  |
| [<title>](https://www.tutorialspoint.com/html/html_title_tag.htm) | Specifies the document title |  |
| [<tr>](https://www.tutorialspoint.com/html/html_tr_tag.htm) | Specifies a table row |  |
| [<tt>](https://www.tutorialspoint.com/html/html_font_style_tag.htm) | Specifies teletype text |  |
| [<u>](https://www.tutorialspoint.com/html/html_u_tag.htm) | Deprecated. Specifies underlined text |  |
| [<ul>](https://www.tutorialspoint.com/html/html_ul_tag.htm) | Specifies an unordered list |  |
| [<var>](https://www.tutorialspoint.com/html/html_phrase_elements_tag.htm) | Specifies a variable |  |
| [<wbr>](https://www.tutorialspoint.com/html/html_wbr_tag.htm) | Indicate a potential word break point within a <nobr> section | IE & NS |
| <xmp> | Deprecated. Specifies preformatted text |  |

Q3 Difference between HTML and XHTML?

Answer:

|  |  |  |
| --- | --- | --- |
| **HTML** | **XHTML** |  |
| **Introduction (from Wikipedia)** | HTML or HyperText Markup Language is the main markup language for creating web pages and other information that can be displayed in a web browser. | XHTML (Extensible HyperText Markup Language) is a family of XML markup languages that mirror or extend versions of the widely used Hypertext Markup Language (HTML), the language in which web pages are written. |

|  |  |  |
| --- | --- | --- |
| **Filename extension** | .html, .htm | .xhtml, .xht, .xml, .html, .htm |
| **Internet media type** | text/html | application/xhtml+xml |
| **Developed by** | W3C & WHATWG | World Wide Web Consortium |
| **Type of format** | Document file format | Markup language |
| **Extended from** | SGML | XML, HTML |
| **Stands for** | HyperText Markup Language | Extensible HyperText Markup Language |
| **Application** | Application of Standard Generalized Markup Language (SGML). | Application of XML |
| **Function** | Web pages are written in HTML. | Extended version of HTML that is stricter and XML-based. |
| **Nature** | Flexible framework requiring lenient HTML-specific parser. | Restrictive subset of XML and needs to be parsed with standard XML parsers. |
| **Origin** | Proposed by Tim Berners-Lee in 1987. | World Wide Web Consortium Recommendation in 2000. |
| **Versions** | HTML 2, HTML 3.2, HTML 4.0, HTML 5. | XHTML 1, XHTML 1.1, XHTML 2, XHTML 5. |

Q4: Try to Make Four Html Pages with Following properties:

Page 1 Home Page= What is Introduction of Your Web Page, Use Semantic Tags and meta tags also you have some link to redirect to specific topic with in page, This page must also include header footer and navigation bar of other pages,

Home page must have title, Favicon, Some proper styles color font no CSS.

Page 2 My Hobbies= Add order and un-order List of Hobbies in this page also add you favorite Game (Online and Physical) detail. Font color text size must be same color scheme like home page.

Try to make Two tables in which first you add favorite hobbies then favorites games of yourself and your friend also. Try to make table color full

Page 3 My Favorite Media= Add social media, YouTube video and other stuff (Pic). Here you can use Div tag or table tag to divide webpage in two portion and in one side we can see your favorite posts of social media and on other side we can see you favorite videos link at least 5.

Use some fixed picture some from online web live links

Page 4 Contact Here= You have to add your Name, Designation, Email, Contact# and Location of your office in Google Map

\*Try to use all tags your read in class + lab and if not try to read by yourself.

\*I am expecting unique formatted with unique content colorful website.

\*First 3 Question solutions must also be uploaded on GitHub with Assignment No.1 Solution title doc file.