Table of Contents

[What is web? 3](#_Toc92367452)

[What is W3C? 3](#_Toc92367453)

[What is InterNet? 3](#_Toc92367454)

[Comparing WAN Vs. LAN Vs. MAN 3](#_Toc92367455)

[Some question and Answer 4](#_Toc92367456)

[**HTML** 5](#_Toc92367457)

[**Features of HTML** 6](#_Toc92367458)

[Disadvantage of HTML 6](#_Toc92367459)

[History of HTML 6](#_Toc92367460)

[Note:- HTML is completely enclosed in tags. 6](#_Toc92367461)

[What is tag? 6](#_Toc92367462)

[Paired tags 6](#_Toc92367463)

[Note:-The closing tag started with ‘/’. 7](#_Toc92367464)

[Non Paired tags 7](#_Toc92367465)

[Basic Structure of HTML 7](#_Toc92367466)

[Working with HTML 8](#_Toc92367467)

[Comments 8](#_Toc92367468)

[Section in HTML 8](#_Toc92367469)

[<meta/> tag 11](#_Toc92367470)

[<style> 11](#_Toc92367471)

[<script> 13](#_Toc92367472)

[Body section 14](#_Toc92367473)

[Note :- Noshade is working with only noshade not with color names. 18](#_Toc92367474)

[**Figure 1 Basic Html Structure** 8](file:///E:\talentegia%20company\my%20personal%20notes%20on%20daily%20basis\HTML%20%20Document.docx#_Toc92367475)

[Figure 2 code to use faviconwhen image in same folder 10](file:///E:\talentegia%20company\my%20personal%20notes%20on%20daily%20basis\HTML%20%20Document.docx#_Toc92367476)

[Figure 3 Favicon image 1 10](file:///E:\talentegia%20company\my%20personal%20notes%20on%20daily%20basis\HTML%20%20Document.docx#_Toc92367477)

[Figure 4 code of favicon when image is in different folder 11](file:///E:\talentegia%20company\my%20personal%20notes%20on%20daily%20basis\HTML%20%20Document.docx#_Toc92367478)

[Figure 5 style web page 13](file:///E:\talentegia%20company\my%20personal%20notes%20on%20daily%20basis\HTML%20%20Document.docx#_Toc92367479)

[Figure 6 style code 13](file:///E:\talentegia%20company\my%20personal%20notes%20on%20daily%20basis\HTML%20%20Document.docx#_Toc92367480)

[Figure 11 Enitities web site 16](file:///E:\talentegia%20company\my%20personal%20notes%20on%20daily%20basis\HTML%20%20Document.docx#_Toc92367481)

[Figure 12 Heading code snip 16](file:///E:\talentegia%20company\my%20personal%20notes%20on%20daily%20basis\HTML%20%20Document.docx#_Toc92367482)

[Figure 13 Heading Website view 16](file:///E:\talentegia%20company\my%20personal%20notes%20on%20daily%20basis\HTML%20%20Document.docx#_Toc92367483)

[Figure 14 Paragraph web snip 17](file:///E:\talentegia%20company\my%20personal%20notes%20on%20daily%20basis\HTML%20%20Document.docx#_Toc92367484)

[Figure 15 Paragraph code 17](file:///E:\talentegia%20company\my%20personal%20notes%20on%20daily%20basis\HTML%20%20Document.docx#_Toc92367485)

[Figure 16 hr tag code 19](file:///E:\talentegia%20company\my%20personal%20notes%20on%20daily%20basis\HTML%20%20Document.docx#_Toc92367486)

[Figure 17 hr tag website snipt 19](file:///E:\talentegia%20company\my%20personal%20notes%20on%20daily%20basis\HTML%20%20Document.docx#_Toc92367487)

[Figure 19 form code 20](file:///E:\talentegia%20company\my%20personal%20notes%20on%20daily%20basis\HTML%20%20Document.docx#_Toc92367488)

[Figure 18 form web look 20](file:///E:\talentegia%20company\my%20personal%20notes%20on%20daily%20basis\HTML%20%20Document.docx#_Toc92367489)

[Figure 20 textarea web snipt 21](#_Toc92367490)

[Figure 21 dropdown list web snipt 22](#_Toc92367491)

[Figure 22 radio web snipt 22](#_Toc92367492)

[Figure 23 checkbox web snipt 23](#_Toc92367493)

[Figure 24 Legend and Fieldset web sinpt 1 23](file:///E:\talentegia%20company\my%20personal%20notes%20on%20daily%20basis\HTML%20%20Document.docx#_Toc92367494)

[Figure 25 Legend and Fieldset web sinpt 2 24](#_Toc92367495)

[Figure 26 get web snipt 1 25](#_Toc92367496)

[Figure 27 get web site snipt 2 25](#_Toc92367497)

[Figure 28 post web snipt 1 26](file:///E:\talentegia%20company\my%20personal%20notes%20on%20daily%20basis\HTML%20%20Document.docx#_Toc92367498)

[Figure 29 post web snipt 2 26](#_Toc92367499)

# What is web?

* Collection of e resources connected electronically.
* Father of web is Tim Berners Lee

# What is W3C?

* World Wide Web consortium.
* It is a organization to maintain web standards.
* It is founded by Tim Berners Lee.
* 1st October 1994 at MIT LCS (Masschussests institute of technology Laboratory of computer Science).

# What is InterNet?

* International Network
* PAN (personal area network)
* Lan(Local area network)
* WAN (wide area Network)
* Internet
* Father of the internet is Dr. Vint Cerf.

## Comparing WAN Vs. LAN Vs. MAN

|  |  |  |
| --- | --- | --- |
| WAN | LAN | MAN |
| Wide Area Network | Local Area Network | Metropolitan Area Network |
| A WAN will typically cover a larger area geographically, such as a continent, a state or a country. | A LAN connects computers within a small and specific area geographically. | A MAN is confined to a specific town,  city or region. It covers a larger area  than a LAN but a smaller area than a  WAN. |
| For data transfer, there is low bandwidth. | For data transfer, there is high bandwidth. | For data transfer, there is a moderate  bandwidth. |
| It will typically have a distributed ownership model. | It is typically owned by an individual or an organization. | It can be owned publicly or privately. |
| A WAN network will have a larger coverage area that can range up to 100,000 KM and in some cases, stretches globally or over international borders. | A LAN network is limited to between 100-1000 meters coverage. | A MAN network is will usually stretch  up to an area of 100 KM. |
| It costs more to set-up a WAN than a LAN or a MAN. | It has a low cost of set-up. | It has a moderate cost of set-up. |
| With a WAN, you can get lower speeds of data transfer of 10-20 Mbps. | With a LAN, you can get higher speeds of data transfer with 10/100/1000 Mbps Ethernet (high speed). | With a MAN, you can get speeds of data  transfer up to 100 Mbps. |

# Some question and Answer

###### Difference between Markup and Programming language?

The main difference between markup language and programming language is that a markup language defines a set of rules for encoding documents in a format that is both human-readable and machine-readable while a programming language provides a set of commands and syntax that can be used to write computer programs which are understood by the computer.

A markup language is a type of language used to annotate text and embed tags in accurately styled electronic documents, irrespective of computer platforms, [operating systems](https://pediaa.com/difference-between-operating-system-and-application-software/#Operating%20System), applications or programs.  However, a programming language is a language that provides a set of rules, syntax, and commands to write computer programs that implements [algorithms](https://pediaa.com/difference-between-algorithm-and-pseudocode/#Algorithm).

###### Difference between Dynamic and static website?

|  |  |
| --- | --- |
| In static web pages, Pages will remain same until someone changes it manually. | In dynamic web pages, Content of pages are different for different visitors. |
| 2. | Static Web Pages are simple in terms of complexity. | Dynamic web pages are complicated. |
| 3. | In static web pages, Information are change rarely. | In dynamic web page, Information are change frequently. |
| 4. | Static Web Page takes less time for loading than dynamic web page. | Dynamic web page takes more time for loading. |
| 5. | In Static Web Pages, database is not used. | In dynamic web pages, database is used. |
| 6. | Static web pages are written in languages such as: HTML, JavaScript, CSS, etc. | Dynamic web pages are written in languages such as: CGI, AJAX, ASP, ASP.NET, etc. |
| 7. | Static web pages does not contain any application program . | Dynamic web pages contains application program for different services. |
| 8. | Static web pages require less work and cost in designing them. | Dynamic web pages require comparatively more work and cost in designing them. |

###### Why markup language is so dangerous?

Because we cannot find easily errors in markup language.

# **HTML**

* Hypertext Markup Language
* It is a standard markup language used to create static web pages.

# **Features of HTML**

* HTML is highly flexible and simple
* HTML is supported on almost every web browser.
* HTML is user friendly.

# Disadvantage of HTML

* It can create only static plain pages
* We need to write a lot of code for making simple page
* Security features of html are not good.

# History of HTML

* 1989 GML( Generalized Markup Language)
* 1991 SGML( Standard GML)
* 1994 HTML
* 2008 HTML5
* 2016 HTML 5.1

Note:- HTML is completely enclosed in tags.

# What is tag?

* Text placed between ‘<’ and ‘>’ is called as tag.
* E.G. <html>
* Types are classified into two types
  + Paired tags
  + Non-Paired tags

## Paired tags

* The tags that have both opening and closing tags are called as paired tags.

E.g. <html>

…

…

…

</html>

<body>

…

…

…

</body>

Note:-The closing tag started with ‘/’.

## Non Paired tags

* That tags that have only opening tag but no closing tag are called as non-paired tag.
* These tags are also called as
* Self-closed tags
* Forcefully closed tags
* Empty tags
* Singular tags

e.g

<br> or <br /> Break Tag(line Break)

<hr> or <hr /> Horizontal Rule(Horizontal Line)

<img> image tag

# Basic Structure of HTML

<html>

<head>

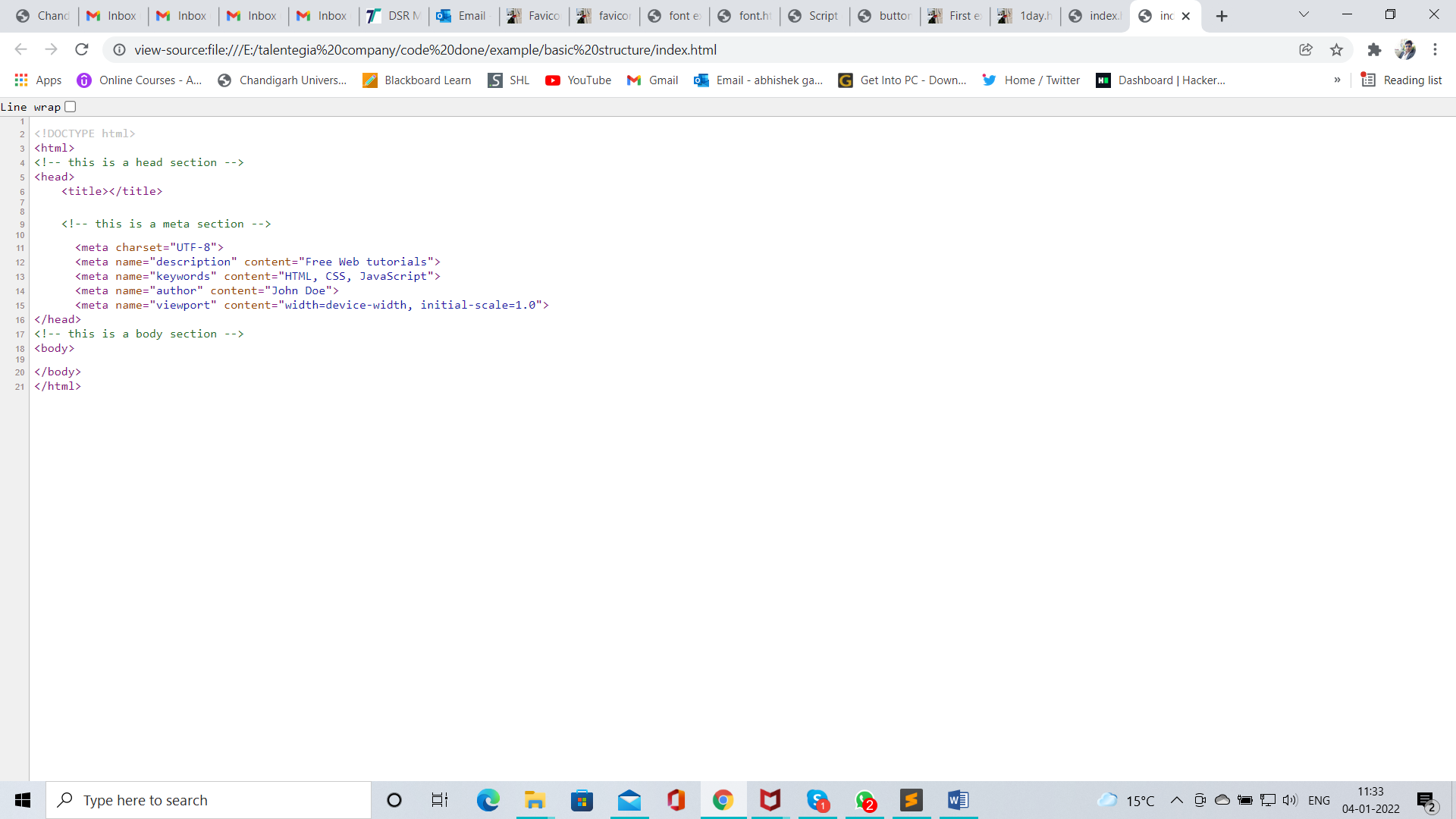
<title>….</title>

</head>

<body>

</body>

</html>



**Figure 1 Basic Html Structure**

## Working with HTML

* Open any text editor e.g. notepad, notepad++, sublime text, etc.
* Save this file with any name and extension ‘.html’
* Run above file in any web browser e.g. MS internet explorer, MS edge, Google chrome, MFF, Safari, Opera, UCB etc.
* Note :- HTML is case insensitive means A and a are same.

## HTML Element Reference

|  |  |  |
| --- | --- | --- |
| **Tag** | **Description** | |
| [<!--...-->](https://www.w3schools.com/tags/tag_comment.asp) | | Defines a comment |
| [<!DOCTYPE>](https://www.w3schools.com/tags/tag_doctype.asp) | | Defines the document type |
| [<a>](https://www.w3schools.com/tags/tag_a.asp) | | Defines a hyperlink |
| [<abbr>](https://www.w3schools.com/tags/tag_abbr.asp) | | Defines an abbreviation or an acronym |
| [<acronym>](https://www.w3schools.com/tags/tag_acronym.asp) | | Not supported in HTML5. Use [<abbr>](https://www.w3schools.com/tags/tag_abbr.asp) instead. Defines an acronym |
| [<address>](https://www.w3schools.com/tags/tag_address.asp) | | Defines contact information for the author/owner of a document |
| [<applet>](https://www.w3schools.com/tags/tag_applet.asp) | | Not supported in HTML5. Use [<embed>](https://www.w3schools.com/tags/tag_embed.asp) or [<object>](https://www.w3schools.com/tags/tag_object.asp) instead. Defines an embedded applet |
| [<area>](https://www.w3schools.com/tags/tag_area.asp) | | Defines an area inside an image map |
| [<article>](https://www.w3schools.com/tags/tag_article.asp) | | Defines an article |
| [<aside>](https://www.w3schools.com/tags/tag_aside.asp) | | Defines content aside from the page content |
| [<audio>](https://www.w3schools.com/tags/tag_audio.asp) | | Defines embedded sound content |
| [<b>](https://www.w3schools.com/tags/tag_b.asp) | | Defines bold text |
| [<base>](https://www.w3schools.com/tags/tag_base.asp) | | Specifies the base URL/target for all relative URLs in a document |
| [<basefont>](https://www.w3schools.com/tags/tag_basefont.asp) | | Not supported in HTML5. Use CSS instead. Specifies a default color, size, and font for all text in a document |
| [<bdi>](https://www.w3schools.com/tags/tag_bdi.asp) | | Isolates a part of text that might be formatted in a different direction from other text outside it |
| [<bdo>](https://www.w3schools.com/tags/tag_bdo.asp) | | Overrides the current text direction |
| [<big>](https://www.w3schools.com/tags/tag_big.asp) | | Not supported in HTML5. Use CSS instead. Defines big text |
| [<blockquote>](https://www.w3schools.com/tags/tag_blockquote.asp) | | Defines a section that is quoted from another source |
| [<body>](https://www.w3schools.com/tags/tag_body.asp) | | Defines the document's body |
| [<br>](https://www.w3schools.com/tags/tag_br.asp) | | Defines a single line break |
| [<button>](https://www.w3schools.com/tags/tag_button.asp) | | Defines a clickable button |
| [<canvas>](https://www.w3schools.com/tags/tag_canvas.asp) | | Used to draw graphics, on the fly, via scripting (usually JavaScript) |
| [<caption>](https://www.w3schools.com/tags/tag_caption.asp) | | Defines a table caption |
| [<center>](https://www.w3schools.com/tags/tag_center.asp) | | Not supported in HTML5. Use CSS instead. Defines centered text |
| [<cite>](https://www.w3schools.com/tags/tag_cite.asp) | | Defines the title of a work |
| [<code>](https://www.w3schools.com/tags/tag_code.asp) | | Defines a piece of computer code |
| [<col>](https://www.w3schools.com/tags/tag_col.asp) | | Specifies column properties for each column within a <colgroup> element |
| [<colgroup>](https://www.w3schools.com/tags/tag_colgroup.asp) | | Specifies a group of one or more columns in a table for formatting |
| [<data>](https://www.w3schools.com/tags/tag_data.asp) | | Adds a machine-readable translation of a given content |
| [<datalist>](https://www.w3schools.com/tags/tag_datalist.asp) | | Specifies a list of pre-defined options for input controls |
| [<dd>](https://www.w3schools.com/tags/tag_dd.asp) | | Defines a description/value of a term in a description list |
| [<del>](https://www.w3schools.com/tags/tag_del.asp) | | Defines text that has been deleted from a document |
| [<details>](https://www.w3schools.com/tags/tag_details.asp) | | Defines additional details that the user can view or hide |
| [<dfn>](https://www.w3schools.com/tags/tag_dfn.asp) | | Specifies a term that is going to be defined within the content |
| [<dialog>](https://www.w3schools.com/tags/tag_dialog.asp) | | Defines a dialog box or window |
| [<dir>](https://www.w3schools.com/tags/tag_dir.asp) | | Not supported in HTML5. Use [<ul>](https://www.w3schools.com/tags/tag_ul.asp) instead. Defines a directory list |
| [<div>](https://www.w3schools.com/tags/tag_div.asp) | | Defines a section in a document |
| [<dl>](https://www.w3schools.com/tags/tag_dl.asp) | | Defines a description list |
| [<dt>](https://www.w3schools.com/tags/tag_dt.asp) | | Defines a term/name in a description list |
| [<em>](https://www.w3schools.com/tags/tag_em.asp) | | Defines emphasized text |
| [<embed>](https://www.w3schools.com/tags/tag_embed.asp) | | Defines a container for an external application |
| [<fieldset>](https://www.w3schools.com/tags/tag_fieldset.asp) | | Groups related elements in a form |
| [<figcaption>](https://www.w3schools.com/tags/tag_figcaption.asp) | | Defines a caption for a <figure> element |
| [<figure>](https://www.w3schools.com/tags/tag_figure.asp) | | Specifies self-contained content |
| [<font>](https://www.w3schools.com/tags/tag_font.asp) | | Not supported in HTML5. Use CSS instead. Defines font, color, and size for text |
| [<footer>](https://www.w3schools.com/tags/tag_footer.asp) | | Defines a footer for a document or section |
| [<form>](https://www.w3schools.com/tags/tag_form.asp) | | Defines an HTML form for user input |
| [<frame>](https://www.w3schools.com/tags/tag_frame.asp) | | Not supported in HTML5. Defines a window (a frame) in a frameset |
| [<frameset>](https://www.w3schools.com/tags/tag_frameset.asp) | | Not supported in HTML5. Defines a set of frames |
| [<h1> to <h6>](https://www.w3schools.com/tags/tag_hn.asp) | | Defines HTML headings |
| [<head>](https://www.w3schools.com/tags/tag_head.asp) | | Contains metadata/information for the document |
| [<header>](https://www.w3schools.com/tags/tag_header.asp) | | Defines a header for a document or section |
| [<hr>](https://www.w3schools.com/tags/tag_hr.asp) | | Defines a thematic change in the content |
| [<html>](https://www.w3schools.com/tags/tag_html.asp) | | Defines the root of an HTML document |
| [<i>](https://www.w3schools.com/tags/tag_i.asp) | | Defines a part of text in an alternate voice or mood |
| [<iframe>](https://www.w3schools.com/tags/tag_iframe.asp) | | Defines an inline frame |
| [<img>](https://www.w3schools.com/tags/tag_img.asp) | | Defines an image |
| [<input>](https://www.w3schools.com/tags/tag_input.asp) | | Defines an input control |
| [<ins>](https://www.w3schools.com/tags/tag_ins.asp) | | Defines a text that has been inserted into a document |
| [<kbd>](https://www.w3schools.com/tags/tag_kbd.asp) | | Defines keyboard input |
| [<label>](https://www.w3schools.com/tags/tag_label.asp) | | Defines a label for an <input> element |
| [<legend>](https://www.w3schools.com/tags/tag_legend.asp) | | Defines a caption for a <fieldset> element |
| [<li>](https://www.w3schools.com/tags/tag_li.asp) | | Defines a list item |
| [<link>](https://www.w3schools.com/tags/tag_link.asp) | | Defines the relationship between a document and an external resource (most used to link to style sheets) |
| [<main>](https://www.w3schools.com/tags/tag_main.asp) | | Specifies the main content of a document |
| [<map>](https://www.w3schools.com/tags/tag_map.asp) | | Defines an image map |
| [<mark>](https://www.w3schools.com/tags/tag_mark.asp) | | Defines marked/highlighted text |
| [<meta>](https://www.w3schools.com/tags/tag_meta.asp) | | Defines metadata about an HTML document |
| [<meter>](https://www.w3schools.com/tags/tag_meter.asp) | | Defines a scalar measurement within a known range (a gauge) |
| [<nav>](https://www.w3schools.com/tags/tag_nav.asp) | | Defines navigation links |
| [<noframes>](https://www.w3schools.com/tags/tag_noframes.asp) | | Not supported in HTML5. Defines an alternate content for users that do not support frames |
| [<noscript>](https://www.w3schools.com/tags/tag_noscript.asp) | | Defines an alternate content for users that do not support client-side scripts |
| [<object>](https://www.w3schools.com/tags/tag_object.asp) | | Defines a container for an external application |
| [<ol>](https://www.w3schools.com/tags/tag_ol.asp) | | Defines an ordered list |
| [<optgroup>](https://www.w3schools.com/tags/tag_optgroup.asp) | | Defines a group of related options in a drop-down list |
| [<option>](https://www.w3schools.com/tags/tag_option.asp) | | Defines an option in a drop-down list |
| [<output>](https://www.w3schools.com/tags/tag_output.asp) | | Defines the result of a calculation |
| [<p>](https://www.w3schools.com/tags/tag_p.asp) | | Defines a paragraph |
| [<param>](https://www.w3schools.com/tags/tag_param.asp) | | Defines a parameter for an object |
| [<picture>](https://www.w3schools.com/tags/tag_picture.asp) | | Defines a container for multiple image resources |
| [<pre>](https://www.w3schools.com/tags/tag_pre.asp) | | Defines preformatted text |
| [<progress>](https://www.w3schools.com/tags/tag_progress.asp) | | Represents the progress of a task |
| [<q>](https://www.w3schools.com/tags/tag_q.asp) | | Defines a short quotation |
| [<rp>](https://www.w3schools.com/tags/tag_rp.asp) | | Defines what to show in browsers that do not support ruby annotations |
| [<rt>](https://www.w3schools.com/tags/tag_rt.asp) | | Defines an explanation/pronunciation of characters (for East Asian typography) |
| [<ruby>](https://www.w3schools.com/tags/tag_ruby.asp) | | Defines a ruby annotation (for East Asian typography) |
| [<s>](https://www.w3schools.com/tags/tag_s.asp) | | Defines text that is no longer correct |
| [<samp>](https://www.w3schools.com/tags/tag_samp.asp) | | Defines sample output from a computer program |
| [<script>](https://www.w3schools.com/tags/tag_script.asp) | | Defines a client-side script |
| [<section>](https://www.w3schools.com/tags/tag_section.asp) | | Defines a section in a document |
| [<select>](https://www.w3schools.com/tags/tag_select.asp) | | Defines a drop-down list |
| [<small>](https://www.w3schools.com/tags/tag_small.asp) | | Defines smaller text |
| [<source>](https://www.w3schools.com/tags/tag_source.asp) | | Defines multiple media resources for media elements (<video> and <audio>) |
| [<span>](https://www.w3schools.com/tags/tag_span.asp) | | Defines a section in a document |
| [<strike>](https://www.w3schools.com/tags/tag_strike.asp) | | Not supported in HTML5. Use [<del>](https://www.w3schools.com/tags/tag_del.asp) or [<s>](https://www.w3schools.com/tags/tag_s.asp) instead. Defines strikethrough text |
| [<strong>](https://www.w3schools.com/tags/tag_strong.asp) | | Defines important text |
| [<style>](https://www.w3schools.com/tags/tag_style.asp) | | Defines style information for a document |
| [<sub>](https://www.w3schools.com/tags/tag_sub.asp) | | Defines subscripted text |
| [<summary>](https://www.w3schools.com/tags/tag_summary.asp) | | Defines a visible heading for a <details> element |
| [<sup>](https://www.w3schools.com/tags/tag_sup.asp) | | Defines superscripted text |
| [<svg>](https://www.w3schools.com/tags/tag_svg.asp) | | Defines a container for SVG graphics |
| [<table>](https://www.w3schools.com/tags/tag_table.asp) | | Defines a table |
| [<tbody>](https://www.w3schools.com/tags/tag_tbody.asp) | | Groups the body content in a table |
| [<td>](https://www.w3schools.com/tags/tag_td.asp) | | Defines a cell in a table |
| [<template>](https://www.w3schools.com/tags/tag_template.asp) | | Defines a container for content that should be hidden when the page loads |
| [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp) | | Defines a multiline input control (text area) |
| [<tfoot>](https://www.w3schools.com/tags/tag_tfoot.asp) | | Groups the footer content in a table |
| [<th>](https://www.w3schools.com/tags/tag_th.asp) | | Defines a header cell in a table |
| [<thead>](https://www.w3schools.com/tags/tag_thead.asp) | | Groups the header content in a table |
| [<time>](https://www.w3schools.com/tags/tag_time.asp) | | Defines a specific time (or datetime) |
| [<title>](https://www.w3schools.com/tags/tag_title.asp) | | Defines a title for the document |
| [<tr>](https://www.w3schools.com/tags/tag_tr.asp) | | Defines a row in a table |
| [<track>](https://www.w3schools.com/tags/tag_track.asp) | | Defines text tracks for media elements (<video> and <audio>) |
| [<tt>](https://www.w3schools.com/tags/tag_tt.asp) | | Not supported in HTML5. Use CSS instead. Defines teletype text |
| [<u>](https://www.w3schools.com/tags/tag_u.asp) | | Defines some text that is unarticulated and styled differently from normal text |
| [<ul>](https://www.w3schools.com/tags/tag_ul.asp) | | Defines an unordered list |
| [<var>](https://www.w3schools.com/tags/tag_var.asp) | | Defines a variable |
| [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Defines embedded video content |
| [<wbr>](https://www.w3schools.com/tags/tag_wbr.asp) | | Defines a possible line-break |

## HTML Attribute Reference

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Belongs to** | | **scription** |
| [accept](https://www.w3schools.com/tags/att_accept.asp) | | [<input>](https://www.w3schools.com/tags/tag_input.asp) | Specifies the types of files that the server accepts (only for type="file") |
| [accept-charset](https://www.w3schools.com/tags/att_accept-charset.asp) | [<form>](https://www.w3schools.com/tags/tag_form.asp) | | Specifies the character encodings that are to be used for the form submission |
| [accesskey](https://www.w3schools.com/tags/att_accesskey.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | | Specifies a shortcut key to activate/focus an element |
| [action](https://www.w3schools.com/tags/att_action.asp) | [<form>](https://www.w3schools.com/tags/tag_form.asp) | | Specifies where to send the form-data when a form is submitted |
| align | Not supported in HTML 5. | | Specifies the alignment according to surrounding elements. Use CSS instead |
| [alt](https://www.w3schools.com/tags/att_alt.asp) | [<area>](https://www.w3schools.com/tags/tag_area.asp), [<img>](https://www.w3schools.com/tags/tag_img.asp), [<input>](https://www.w3schools.com/tags/tag_input.asp) | | Specifies an alternate text when the original element fails to display |
| [async](https://www.w3schools.com/tags/att_async.asp) | [<script>](https://www.w3schools.com/tags/tag_script.asp) | | Specifies that the script is executed asynchronously (only for external scripts) |
| [autocomplete](https://www.w3schools.com/tags/att_autocomplete.asp) | [<form>](https://www.w3schools.com/tags/tag_form.asp), [<input>](https://www.w3schools.com/tags/tag_input.asp) | | Specifies whether the <form> or the <input> element should have autocomplete enabled |
| [autofocus](https://www.w3schools.com/tags/att_autofocus.asp) | [<button>](https://www.w3schools.com/tags/tag_button.asp), [<input>](https://www.w3schools.com/tags/tag_input.asp), [<select>](https://www.w3schools.com/tags/tag_select.asp), [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp) | | Specifies that the element should automatically get focus when the page loads |
| [autoplay](https://www.w3schools.com/tags/att_autoplay.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Specifies that the audio/video will start playing as soon as it is ready |
| bgcolor | Not supported in HTML 5. | | Specifies the background color of an element. Use CSS instead |
| border | Not supported in HTML 5. | | Specifies the width of the border of an element. Use CSS instead |
| [charset](https://www.w3schools.com/tags/att_charset.asp) | [<meta>](https://www.w3schools.com/tags/tag_meta.asp), [<script>](https://www.w3schools.com/tags/tag_script.asp) | | Specifies the character encoding |
| [checked](https://www.w3schools.com/tags/att_checked.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp) | | Specifies that an <input> element should be pre-selected when the page loads (for type="checkbox" or type="radio") |
| [cite](https://www.w3schools.com/tags/att_cite.asp) | <blockquote>, [<del>](https://www.w3schools.com/tags/tag_del.asp), [<ins>](https://www.w3schools.com/tags/tag_ins.asp), <q> | | Specifies a URL which explains the quote/deleted/inserted text |
| [class](https://www.w3schools.com/tags/att_class.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | | Specifies one or more classnames for an element (refers to a class in a style sheet) |
| color | Not supported in HTML 5. | | Specifies the text color of an element. Use CSS instead |
| [cols](https://www.w3schools.com/tags/att_cols.asp) | [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp) | | Specifies the visible width of a text area |
| [colspan](https://www.w3schools.com/tags/att_colspan.asp) | [<td>](https://www.w3schools.com/tags/tag_td.asp), [<th>](https://www.w3schools.com/tags/tag_th.asp) | | Specifies the number of columns a table cell should span |
| [content](https://www.w3schools.com/tags/att_content.asp) | [<meta>](https://www.w3schools.com/tags/tag_meta.asp) | | Gives the value associated with the http-equiv or name attribute |
| [contenteditable](https://www.w3schools.com/tags/att_contenteditable.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | | Specifies whether the content of an element is editable or not |
| [controls](https://www.w3schools.com/tags/att_controls.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Specifies that audio/video controls should be displayed (such as a play/pause button etc) |
| [coords](https://www.w3schools.com/tags/att_coords.asp) | [<area>](https://www.w3schools.com/tags/tag_area.asp) | | Specifies the coordinates of the area |
| [data](https://www.w3schools.com/tags/att_data.asp) | [<object>](https://www.w3schools.com/tags/tag_object.asp) | | Specifies the URL of the resource to be used by the object |
| [data-\*](https://www.w3schools.com/tags/att_data-.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | | Used to store custom data private to the page or application |
| [datetime](https://www.w3schools.com/tags/att_datetime.asp) | [<del>](https://www.w3schools.com/tags/tag_del.asp), [<ins>](https://www.w3schools.com/tags/tag_ins.asp), [<time>](https://www.w3schools.com/tags/tag_time.asp) | | Specifies the date and time |
| [default](https://www.w3schools.com/tags/att_default.asp) | [<track>](https://www.w3schools.com/tags/tag_track.asp) | | Specifies that the track is to be enabled if the user's preferences do not indicate that another track would be more appropriate |
| [defer](https://www.w3schools.com/tags/att_defer.asp) | [<script>](https://www.w3schools.com/tags/tag_script.asp) | | Specifies that the script is executed when the page has finished parsing (only for external scripts) |
| [dir](https://www.w3schools.com/tags/att_dir.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | | Specifies the text direction for the content in an element |
| [dirname](https://www.w3schools.com/tags/att_dirname.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp), [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp) | | Specifies that the text direction will be submitted |
| [disabled](https://www.w3schools.com/tags/att_disabled.asp) | [<button>](https://www.w3schools.com/tags/tag_button.asp), [<fieldset>](https://www.w3schools.com/tags/tag_fieldset.asp), [<input>](https://www.w3schools.com/tags/tag_input.asp), <optgroup>, [<option>](https://www.w3schools.com/tags/tag_option.asp), [<select>](https://www.w3schools.com/tags/tag_select.asp), [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp) | | Specifies that the specified element/group of elements should be disabled |
| [download](https://www.w3schools.com/tags/att_download.asp) | [<a>](https://www.w3schools.com/tags/tag_a.asp), [<area>](https://www.w3schools.com/tags/tag_area.asp) | | Specifies that the target will be downloaded when a user clicks on the hyperlink |
| [draggable](https://www.w3schools.com/tags/att_draggable.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | | Specifies whether an element is draggable or not |
| [enctype](https://www.w3schools.com/tags/att_enctype.asp) | [<form>](https://www.w3schools.com/tags/tag_form.asp) | | Specifies how the form-data should be encoded when submitting it to the server (only for method="post") |
| [for](https://www.w3schools.com/tags/att_for.asp) | <label>, [<output>](https://www.w3schools.com/tags/tag_output.asp) | | Specifies which form element(s) a label/calculation is bound to |
| [form](https://www.w3schools.com/tags/att_form.asp) | [<button>](https://www.w3schools.com/tags/tag_button.asp), [<fieldset>](https://www.w3schools.com/tags/tag_fieldset.asp), [<input>](https://www.w3schools.com/tags/tag_input.asp), <label>, [<meter>](https://www.w3schools.com/tags/tag_meter.asp), [<object>](https://www.w3schools.com/tags/tag_object.asp), [<output>](https://www.w3schools.com/tags/tag_output.asp), [<select>](https://www.w3schools.com/tags/tag_select.asp), [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp) | | Specifies the name of the form the element belongs to |
| [formaction](https://www.w3schools.com/tags/att_formaction.asp) | [<button>](https://www.w3schools.com/tags/tag_button.asp), [<input>](https://www.w3schools.com/tags/tag_input.asp) | | Specifies where to send the form-data when a form is submitted. Only for type="submit" |
| [headers](https://www.w3schools.com/tags/att_headers.asp) | [<td>](https://www.w3schools.com/tags/tag_td.asp), [<th>](https://www.w3schools.com/tags/tag_th.asp) | | Specifies one or more headers cells a cell is related to |
| [height](https://www.w3schools.com/tags/att_height.asp) | <canvas>, [<embed>](https://www.w3schools.com/tags/tag_embed.asp), [<iframe>](https://www.w3schools.com/tags/tag_iframe.asp), [<img>](https://www.w3schools.com/tags/tag_img.asp), [<input>](https://www.w3schools.com/tags/tag_input.asp), [<object>](https://www.w3schools.com/tags/tag_object.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Specifies the height of the element |
| [hidden](https://www.w3schools.com/tags/att_hidden.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | | Specifies that an element is not yet, or is no longer, relevant |
| [high](https://www.w3schools.com/tags/att_high.asp) | [<meter>](https://www.w3schools.com/tags/tag_meter.asp) | | Specifies the range that is considered to be a high value |
| [href](https://www.w3schools.com/tags/att_href.asp) | [<a>](https://www.w3schools.com/tags/tag_a.asp), [<area>](https://www.w3schools.com/tags/tag_area.asp), [<base>](https://www.w3schools.com/tags/tag_base.asp), [<link>](https://www.w3schools.com/tags/tag_link.asp) | | Specifies the URL of the page the link goes to |
| [hreflang](https://www.w3schools.com/tags/att_hreflang.asp) | [<a>](https://www.w3schools.com/tags/tag_a.asp), [<area>](https://www.w3schools.com/tags/tag_area.asp), [<link>](https://www.w3schools.com/tags/tag_link.asp) | | Specifies the language of the linked document |
| [http-equiv](https://www.w3schools.com/tags/att_http-equiv.asp) | [<meta>](https://www.w3schools.com/tags/tag_meta.asp) | | Provides an HTTP header for the information/value of the content attribute |
| [id](https://www.w3schools.com/tags/att_id.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | | Specifies a unique id for an element |
| [ismap](https://www.w3schools.com/tags/att_ismap.asp) | [<img>](https://www.w3schools.com/tags/tag_img.asp) | | Specifies an image as a server-side image map |
| [kind](https://www.w3schools.com/tags/att_kind.asp) | [<track>](https://www.w3schools.com/tags/tag_track.asp) | | Specifies the kind of text track |
| [label](https://www.w3schools.com/tags/att_label.asp) | [<track>](https://www.w3schools.com/tags/tag_track.asp), [<option>](https://www.w3schools.com/tags/tag_option.asp), [<optgroup>](https://www.w3schools.com/tags/tag_optgroup.asp) | | Specifies the title of the text track |
| [lang](https://www.w3schools.com/tags/att_lang.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | | Specifies the language of the element's content |
| [list](https://www.w3schools.com/tags/att_list.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp) | | Refers to a <datalist> element that contains pre-defined options for an <input> element |
| [loop](https://www.w3schools.com/tags/att_loop.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Specifies that the audio/video will start over again, every time it is finished |
| [low](https://www.w3schools.com/tags/att_low.asp) | [<meter>](https://www.w3schools.com/tags/tag_meter.asp) | | Specifies the range that is considered to be a low value |
| [max](https://www.w3schools.com/tags/att_max.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp), [<meter>](https://www.w3schools.com/tags/tag_meter.asp), [<progress>](https://www.w3schools.com/tags/tag_progress.asp) | | Specifies the maximum value |
| [maxlength](https://www.w3schools.com/tags/att_maxlength.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp), [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp) | | Specifies the maximum number of characters allowed in an element |
| [media](https://www.w3schools.com/tags/att_media.asp) | [<a>](https://www.w3schools.com/tags/tag_a.asp), [<area>](https://www.w3schools.com/tags/tag_area.asp), [<link>](https://www.w3schools.com/tags/tag_link.asp), [<source>](https://www.w3schools.com/tags/tag_source.asp), [<style>](https://www.w3schools.com/tags/tag_style.asp) | | Specifies what media/device the linked document is optimized for |
| [method](https://www.w3schools.com/tags/att_method.asp) | [<form>](https://www.w3schools.com/tags/tag_form.asp) | | Specifies the HTTP method to use when sending form-data |
| [min](https://www.w3schools.com/tags/att_min.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp), [<meter>](https://www.w3schools.com/tags/tag_meter.asp) | | Specifies a minimum value |
| [multiple](https://www.w3schools.com/tags/att_multiple.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp), [<select>](https://www.w3schools.com/tags/tag_select.asp) | | Specifies that a user can enter more than one value |
| [muted](https://www.w3schools.com/tags/att_muted.asp) | [<video>](https://www.w3schools.com/tags/tag_video.asp), [<audio>](https://www.w3schools.com/tags/tag_audio.asp) | | Specifies that the audio output of the video should be muted |
| [name](https://www.w3schools.com/tags/att_name.asp) | [<button>](https://www.w3schools.com/tags/tag_button.asp), [<fieldset>](https://www.w3schools.com/tags/tag_fieldset.asp), [<form>](https://www.w3schools.com/tags/tag_form.asp), [<iframe>](https://www.w3schools.com/tags/tag_iframe.asp), [<input>](https://www.w3schools.com/tags/tag_input.asp), [<map>](https://www.w3schools.com/tags/tag_map.asp), [<meta>](https://www.w3schools.com/tags/tag_meta.asp), [<object>](https://www.w3schools.com/tags/tag_object.asp), [<output>](https://www.w3schools.com/tags/tag_output.asp), [<param>](https://www.w3schools.com/tags/tag_param.asp), [<select>](https://www.w3schools.com/tags/tag_select.asp), [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp) | | Specifies the name of the element |
| [novalidate](https://www.w3schools.com/tags/att_novalidate.asp) | [<form>](https://www.w3schools.com/tags/tag_form.asp) | | Specifies that the form should not be validated when submitted |
| [onabort](https://www.w3schools.com/tags/att_onabort.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<embed>](https://www.w3schools.com/tags/tag_embed.asp), [<img>](https://www.w3schools.com/tags/tag_img.asp), [<object>](https://www.w3schools.com/tags/tag_object.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Script to be run on abort |
| [onafterprint](https://www.w3schools.com/tags/att_onafterprint.asp) | [<body>](https://www.w3schools.com/tags/tag_body.asp) | | Script to be run after the document is printed |
| [onbeforeprint](https://www.w3schools.com/tags/att_onbeforeprint.asp) | [<body>](https://www.w3schools.com/tags/tag_body.asp) | | Script to be run before the document is printed |
| [onbeforeunload](https://www.w3schools.com/tags/att_onbeforeunload.asp) | [<body>](https://www.w3schools.com/tags/tag_body.asp) | | Script to be run when the document is about to be unloaded |
| [onblur](https://www.w3schools.com/tags/att_onblur.asp) | All visible elements. | | Script to be run when the element loses focus |
| [oncanplay](https://www.w3schools.com/tags/att_oncanplay.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<embed>](https://www.w3schools.com/tags/tag_embed.asp), [<object>](https://www.w3schools.com/tags/tag_object.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Script to be run when a file is ready to start playing (when it has buffered enough to begin) |
| [oncanplaythrough](https://www.w3schools.com/tags/att_oncanplaythrough.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Script to be run when a file can be played all the way to the end without pausing for buffering |
| [onchange](https://www.w3schools.com/tags/att_onchange.asp) | All visible elements. | | Script to be run when the value of the element is changed |
| [onclick](https://www.w3schools.com/tags/att_onclick.asp) | All visible elements. | | Script to be run when the element is being clicked |
| [oncontextmenu](https://www.w3schools.com/tags/att_oncontextmenu.asp) | All visible elements. | | Script to be run when a context menu is triggered |
| [oncopy](https://www.w3schools.com/tags/att_oncopy.asp) | All visible elements. | | Script to be run when the content of the element is being copied |
| [oncuechange](https://www.w3schools.com/tags/att_oncuechange.asp) | [<track>](https://www.w3schools.com/tags/tag_track.asp) | | Script to be run when the cue changes in a [<track>](https://www.w3schools.com/tags/tag_track.asp) element |
| [oncut](https://www.w3schools.com/tags/att_oncut.asp) | All visible elements. | | Script to be run when the content of the element is being cut |
| [ondblclick](https://www.w3schools.com/tags/att_ondblclick.asp) | All visible elements. | | Script to be run when the element is being double-clicked |
| [ondrag](https://www.w3schools.com/tags/att_ondrag.asp) | All visible elements. | | Script to be run when the element is being dragged |
| [ondragend](https://www.w3schools.com/tags/att_ondragend.asp) | All visible elements. | | Script to be run at the end of a drag operation |
| [ondragenter](https://www.w3schools.com/tags/att_ondragenter.asp) | All visible elements. | | Script to be run when an element has been dragged to a valid drop target |
| [ondragleave](https://www.w3schools.com/tags/att_ondragleave.asp) | All visible elements. | | Script to be run when an element leaves a valid drop target |
| [ondragover](https://www.w3schools.com/tags/att_ondragover.asp) | All visible elements. | | Script to be run when an element is being dragged over a valid drop target |
| [ondragstart](https://www.w3schools.com/tags/att_ondragstart.asp) | All visible elements. | | Script to be run at the start of a drag operation |
| [ondrop](https://www.w3schools.com/tags/att_ondrop.asp) | All visible elements. | | Script to be run when dragged element is being dropped |
| [ondurationchange](https://www.w3schools.com/tags/att_ondurationchange.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Script to be run when the length of the media changes |
| [onemptied](https://www.w3schools.com/tags/att_onemptied.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Script to be run when something bad happens and the file is suddenly unavailable (like unexpectedly disconnects) |
| [onended](https://www.w3schools.com/tags/att_onended.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Script to be run when the media has reach the end (a useful event for messages like "thanks for listening") |
| [onerror](https://www.w3schools.com/tags/att_onerror.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<body>](https://www.w3schools.com/tags/tag_body.asp), [<embed>](https://www.w3schools.com/tags/tag_embed.asp), [<img>](https://www.w3schools.com/tags/tag_img.asp), [<object>](https://www.w3schools.com/tags/tag_object.asp), [<script>](https://www.w3schools.com/tags/tag_script.asp), [<style>](https://www.w3schools.com/tags/tag_style.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Script to be run when an error occurs |
| [onfocus](https://www.w3schools.com/tags/att_onfocus.asp) | All visible elements. | | Script to be run when the element gets focus |
| [onhashchange](https://www.w3schools.com/tags/att_onhashchange.asp) | [<body>](https://www.w3schools.com/tags/tag_body.asp) | | Script to be run when there has been changes to the anchor part of the a URL |
| [oninput](https://www.w3schools.com/tags/att_oninput.asp) | All visible elements. | | Script to be run when the element gets user input |
| [oninvalid](https://www.w3schools.com/tags/att_oninvalid.asp) | All visible elements. | | Script to be run when the element is invalid |
| [onkeydown](https://www.w3schools.com/tags/att_onkeydown.asp) | All visible elements. | | Script to be run when a user is pressing a key |
| [onkeypress](https://www.w3schools.com/tags/att_onkeypress.asp) | All visible elements. | | Script to be run when a user presses a key |
| [onkeyup](https://www.w3schools.com/tags/att_onkeyup.asp) | All visible elements. | | Script to be run when a user releases a key |
| [onload](https://www.w3schools.com/tags/att_onload.asp) | [<body>](https://www.w3schools.com/tags/tag_body.asp), [<iframe>](https://www.w3schools.com/tags/tag_iframe.asp), [<img>](https://www.w3schools.com/tags/tag_img.asp), [<input>](https://www.w3schools.com/tags/tag_input.asp), [<link>](https://www.w3schools.com/tags/tag_link.asp), [<script>](https://www.w3schools.com/tags/tag_script.asp), [<style>](https://www.w3schools.com/tags/tag_style.asp) | | Script to be run when the element is finished loading |
| [onloadeddata](https://www.w3schools.com/tags/att_onloadeddata.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Script to be run when media data is loaded |
| [onloadedmetadata](https://www.w3schools.com/tags/att_onloadedmetadata.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Script to be run when meta data (like dimensions and duration) are loaded |
| [onloadstart](https://www.w3schools.com/tags/att_onloadstart.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Script to be run just as the file begins to load before anything is actually loaded |
| [onmousedown](https://www.w3schools.com/tags/att_onmousedown.asp) | All visible elements. | | Script to be run when a mouse button is pressed down on an element |
| [onmousemove](https://www.w3schools.com/tags/att_onmousemove.asp) | All visible elements. | | Script to be run as long as the  mouse pointer is moving over an element |
| [onmouseout](https://www.w3schools.com/tags/att_onmouseout.asp) | All visible elements. | | Script to be run when a mouse pointer moves out of an element |
| [onmouseover](https://www.w3schools.com/tags/att_onmouseover.asp) | All visible elements. | | Script to be run when a mouse pointer moves over an element |
| [onmouseup](https://www.w3schools.com/tags/att_onmouseup.asp) | All visible elements. | | Script to be run when a mouse button is released over an element |
| [onmousewheel](https://www.w3schools.com/tags/att_onmousewheel.asp) | All visible elements. | | Script to be run when a mouse wheel is being scrolled over an element |
| [onoffline](https://www.w3schools.com/tags/att_onoffline.asp) | [<body>](https://www.w3schools.com/tags/tag_body.asp) | | Script to be run when the browser starts to work offline |
| [ononline](https://www.w3schools.com/tags/att_ononline.asp) | [<body>](https://www.w3schools.com/tags/tag_body.asp) | | Script to be run when the browser starts to work online |
| onpagehide | [<body>](https://www.w3schools.com/tags/tag_body.asp) | | Script to be run when a user navigates away from a page |
| [onpageshow](https://www.w3schools.com/tags/att_onpageshow.asp) | [<body>](https://www.w3schools.com/tags/tag_body.asp) | | Script to be run when a user navigates to a page |
| [onpaste](https://www.w3schools.com/tags/att_onpaste.asp) | All visible elements. | | Script to be run when the user pastes some content in an element |
| [onpause](https://www.w3schools.com/tags/att_onpause.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Script to be run when the media is paused either by the user or programmatically |
| [onplay](https://www.w3schools.com/tags/att_onplay.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Script to be run when the media has started playing |
| [onplaying](https://www.w3schools.com/tags/att_onplaying.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Script to be run when the media has started playing |
| onpopstate | [<body>](https://www.w3schools.com/tags/tag_body.asp) | | Script to be run when the window's history changes. |
| [onprogress](https://www.w3schools.com/tags/att_onprogress.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Script to be run when the browser is in the process of getting the media data |
| [onratechange](https://www.w3schools.com/tags/att_onratechange.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Script to be run each time the playback rate changes (like when a user switches to a slow motion or fast forward mode). |
| [onreset](https://www.w3schools.com/tags/att_onreset.asp) | [<form>](https://www.w3schools.com/tags/tag_form.asp) | | Script to be run when a reset button in a form is clicked. |
| [onresize](https://www.w3schools.com/tags/att_onresize.asp) | [<body>](https://www.w3schools.com/tags/tag_body.asp) | | Script to be run when the browser window is being resized. |
| [onscroll](https://www.w3schools.com/tags/att_onscroll.asp) | All visible elements. | | Script to be run when an element's scrollbar is being scrolled |
| [onsearch](https://www.w3schools.com/tags/att_onsearch.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp) | | Script to be run when the user writes something in a search field (for <input="search">) |
| [onseeked](https://www.w3schools.com/tags/att_onseeked.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Script to be run when the seeking attribute is set to false indicating that seeking has ended |
| [onseeking](https://www.w3schools.com/tags/att_onseeking.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Script to be run when the seeking attribute is set to true indicating that seeking is active |
| [onselect](https://www.w3schools.com/tags/att_onselect.asp) | All visible elements. | | Script to be run when the element gets selected |
| [onstalled](https://www.w3schools.com/tags/att_onstalled.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Script to be run when the browser is unable to fetch the media data for whatever reason |
| onstorage | [<body>](https://www.w3schools.com/tags/tag_body.asp) | | Script to be run when a Web Storage area is updated |
| [onsubmit](https://www.w3schools.com/tags/att_onsubmit.asp) | [<form>](https://www.w3schools.com/tags/tag_form.asp) | | Script to be run when a form is submitted |
| [onsuspend](https://www.w3schools.com/tags/att_onsuspend.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Script to be run when fetching the media data is stopped before it is completely loaded for whatever reason |
| [ontimeupdate](https://www.w3schools.com/tags/att_ontimeupdate.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Script to be run when the playing position has changed (like when the user fast forwards to a different point in the media) |
| [ontoggle](https://www.w3schools.com/tags/att_ontoggle.asp) | [<details>](https://www.w3schools.com/tags/tag_details.asp) | | Script to be run when the user opens or closes the <details> element |
| [onunload](https://www.w3schools.com/tags/att_onunload.asp) | [<body>](https://www.w3schools.com/tags/tag_body.asp) | | Script to be run when a page has unloaded (or the browser window has been closed) |
| [onvolumechange](https://www.w3schools.com/tags/att_onvolumechange.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Script to be run each time the volume of a video/audio has been changed |
| [onwaiting](https://www.w3schools.com/tags/att_onwaiting.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Script to be run when the media has paused but is expected to resume (like when the media pauses to buffer more data) |
| [onwheel](https://www.w3schools.com/tags/att_onwheel.asp) | All visible elements. | | Script to be run when the mouse wheel rolls up or down over an element |
| [open](https://www.w3schools.com/tags/att_open.asp) | [<details>](https://www.w3schools.com/tags/tag_details.asp) | | Specifies that the details should be visible (open) to the user |
| [optimum](https://www.w3schools.com/tags/att_optimum.asp) | [<meter>](https://www.w3schools.com/tags/tag_meter.asp) | | Specifies what value is the optimal value for the gauge |
| [pattern](https://www.w3schools.com/tags/att_pattern.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp) | | Specifies a regular expression that an <input> element's value is checked against |
| [placeholder](https://www.w3schools.com/tags/att_placeholder.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp), [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp) | | Specifies a short hint that describes the expected value of the element |
| [poster](https://www.w3schools.com/tags/att_poster.asp) | [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Specifies an image to be shown while the video is downloading, or until the user hits the play button |
| [preload](https://www.w3schools.com/tags/att_preload.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Specifies if and how the author thinks the audio/video should be loaded when the page loads |
| [readonly](https://www.w3schools.com/tags/att_readonly.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp), [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp) | | Specifies that the element is read-only |
| [rel](https://www.w3schools.com/tags/att_rel.asp) | [<a>](https://www.w3schools.com/tags/tag_a.asp), [<area>](https://www.w3schools.com/tags/tag_area.asp), [<form>](https://www.w3schools.com/tags/tag_form.asp), [<link>](https://www.w3schools.com/tags/tag_link.asp) | | Specifies the relationship between the current document and the linked document |
| [required](https://www.w3schools.com/tags/att_required.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp), [<select>](https://www.w3schools.com/tags/tag_select.asp), [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp) | | Specifies that the element must be filled out before submitting the form |
| [reversed](https://www.w3schools.com/tags/att_reversed.asp) | [<ol>](https://www.w3schools.com/tags/tag_ol.asp) | | Specifies that the list order should be descending (9,8,7...) |
| [rows](https://www.w3schools.com/tags/att_rows.asp) | [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp) | | Specifies the visible number of lines in a text area |
| [rowspan](https://www.w3schools.com/tags/att_rowspan.asp) | [<td>](https://www.w3schools.com/tags/tag_td.asp), [<th>](https://www.w3schools.com/tags/tag_th.asp) | | Specifies the number of rows a table cell should span |
| [sandbox](https://www.w3schools.com/tags/att_sandbox.asp) | [<iframe>](https://www.w3schools.com/tags/tag_iframe.asp) | | Enables an extra set of restrictions for the content in an <iframe> |
| [scope](https://www.w3schools.com/tags/att_scope.asp) | [<th>](https://www.w3schools.com/tags/tag_th.asp) | | Specifies whether a header cell is a header for a column, row, or group of columns or rows |
| [selected](https://www.w3schools.com/tags/att_selected.asp) | [<option>](https://www.w3schools.com/tags/tag_option.asp) | | Specifies that an option should be pre-selected when the page loads |
| [shape](https://www.w3schools.com/tags/att_shape.asp) | [<area>](https://www.w3schools.com/tags/tag_area.asp) | | Specifies the shape of the area |
| [size](https://www.w3schools.com/tags/att_size.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp), [<select>](https://www.w3schools.com/tags/tag_select.asp) | | Specifies the width, in characters (for <input>) or specifies the number of visible options (for <select>) |
| [sizes](https://www.w3schools.com/tags/att_sizes.asp) | [<img>](https://www.w3schools.com/tags/tag_img.asp), [<link>](https://www.w3schools.com/tags/tag_link.asp), [<source>](https://www.w3schools.com/tags/tag_source.asp) | | Specifies the size of the linked resource |
| [span](https://www.w3schools.com/tags/att_span.asp) | [<col>](https://www.w3schools.com/tags/tag_col.asp), [<colgroup>](https://www.w3schools.com/tags/tag_colgroup.asp) | | Specifies the number of columns to span |
| [spellcheck](https://www.w3schools.com/tags/att_spellcheck.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | | Specifies whether the element is to have its spelling and grammar checked or not |
| [src](https://www.w3schools.com/tags/att_src.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<embed>](https://www.w3schools.com/tags/tag_embed.asp), [<iframe>](https://www.w3schools.com/tags/tag_iframe.asp), [<img>](https://www.w3schools.com/tags/tag_img.asp), [<input>](https://www.w3schools.com/tags/tag_input.asp), [<script>](https://www.w3schools.com/tags/tag_script.asp), [<source>](https://www.w3schools.com/tags/tag_source.asp), [<track>](https://www.w3schools.com/tags/tag_track.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Specifies the URL of the media file |
| [srcdoc](https://www.w3schools.com/tags/att_srcdoc.asp) | [<iframe>](https://www.w3schools.com/tags/tag_iframe.asp) | | Specifies the HTML content of the page to show in the <iframe> |
| [srclang](https://www.w3schools.com/tags/att_srclang.asp) | [<track>](https://www.w3schools.com/tags/tag_track.asp) | | Specifies the language of the track text data (required if kind="subtitles") |
| [srcset](https://www.w3schools.com/tags/att_source_srcset.asp) | [<img>](https://www.w3schools.com/tags/tag_img.asp), [<source>](https://www.w3schools.com/tags/tag_source.asp) | | Specifies the URL of the image to use in different situations |
| [start](https://www.w3schools.com/tags/att_start.asp) | [<ol>](https://www.w3schools.com/tags/tag_ol.asp) | | Specifies the start value of an ordered list |
| [step](https://www.w3schools.com/tags/att_step.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp) | | Specifies the legal number intervals for an input field |
| [style](https://www.w3schools.com/tags/att_style.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | | Specifies an inline CSS style for an element |
| [tabindex](https://www.w3schools.com/tags/att_tabindex.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | | Specifies the tabbing order of an element |
| [target](https://www.w3schools.com/tags/att_target.asp) | [<a>](https://www.w3schools.com/tags/tag_a.asp), [<area>](https://www.w3schools.com/tags/tag_area.asp), [<base>](https://www.w3schools.com/tags/tag_base.asp), [<form>](https://www.w3schools.com/tags/tag_form.asp) | | Specifies the target for where to open the linked document or where to submit the form |
| [title](https://www.w3schools.com/tags/att_title.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | | Specifies extra information about an element |
| [translate](https://www.w3schools.com/tags/att_translate.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | | Specifies whether the content of an element should be translated or not |
| [type](https://www.w3schools.com/tags/att_type.asp) | [<a>](https://www.w3schools.com/tags/tag_a.asp), [<button>](https://www.w3schools.com/tags/tag_button.asp), [<embed>](https://www.w3schools.com/tags/tag_embed.asp), [<input>](https://www.w3schools.com/tags/tag_input.asp), [<link>](https://www.w3schools.com/tags/tag_link.asp), [<menu>](https://www.w3schools.com/tags/tag_menu.asp), [<object>](https://www.w3schools.com/tags/tag_object.asp), [<script>](https://www.w3schools.com/tags/tag_script.asp), [<source>](https://www.w3schools.com/tags/tag_source.asp), [<style>](https://www.w3schools.com/tags/tag_style.asp) | | Specifies the type of element |
| [usemap](https://www.w3schools.com/tags/att_usemap.asp) | [<img>](https://www.w3schools.com/tags/tag_img.asp), [<object>](https://www.w3schools.com/tags/tag_object.asp) | | Specifies an image as a client-side image map |
| [value](https://www.w3schools.com/tags/att_value.asp) | [<button>](https://www.w3schools.com/tags/tag_button.asp), [<input>](https://www.w3schools.com/tags/tag_input.asp), [<li>](https://www.w3schools.com/tags/tag_li.asp), [<option>](https://www.w3schools.com/tags/tag_option.asp), [<meter>](https://www.w3schools.com/tags/tag_meter.asp), [<progress>](https://www.w3schools.com/tags/tag_progress.asp), [<param>](https://www.w3schools.com/tags/tag_param.asp) | | Specifies the value of the element |
| [width](https://www.w3schools.com/tags/att_width.asp) | <canvas>, [<embed>](https://www.w3schools.com/tags/tag_embed.asp), [<iframe>](https://www.w3schools.com/tags/tag_iframe.asp), [<img>](https://www.w3schools.com/tags/tag_img.asp), [<input>](https://www.w3schools.com/tags/tag_input.asp), [<object>](https://www.w3schools.com/tags/tag_object.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | | Specifies the width of the element |
| [wrap](https://www.w3schools.com/tags/att_wrap.asp) | [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp) | | Specifies how the text in a text area is to be wrapped when submitted in a form |

## Comments

* Comments provides additional information about that code.
* Comments are not displayed on web page.
* <!-- This is comment -->

## Section in HTML

* Head section
* Body section
* <!doctype html>

It is used to tell web browser that <> are tags.

#### Head section

* This section contains root element as <head> tag.
* It is a paired tag.
* This tag contain following tags
* <title> document title
* <link /> link to external document
* It is a non paired tags
* Attributes href, rel, type e.g. Displaying favicon
* <meta /> meta description
* <style> used for styling
* <script> used to provide script

###### Favicon

* it is a graphical image associates with title of web page
* its size should be 16 \* 16 px or 32\*32 px.
* <link rel="shortcut icon" href="favicon.ico" type="image/x-icon">
* Sites for favicon image 1. Clipart 2. Favicon
* Code of path of an image which is saved in different folder
* <link rel="shortcut icon" href="<file:///E:\PICTURES\20181119_120136.jpg>" type="image/x-icon">
* Code for favicon example

<!DOCTYPE html>

<html>

<head>

<title>Favicon Example</title>

<link rel="shortcut icon" href="a.png" type="image/x-icon">

</head>

<body>

hello

<h1>Example of favicon command</h1>

</body>

</html>

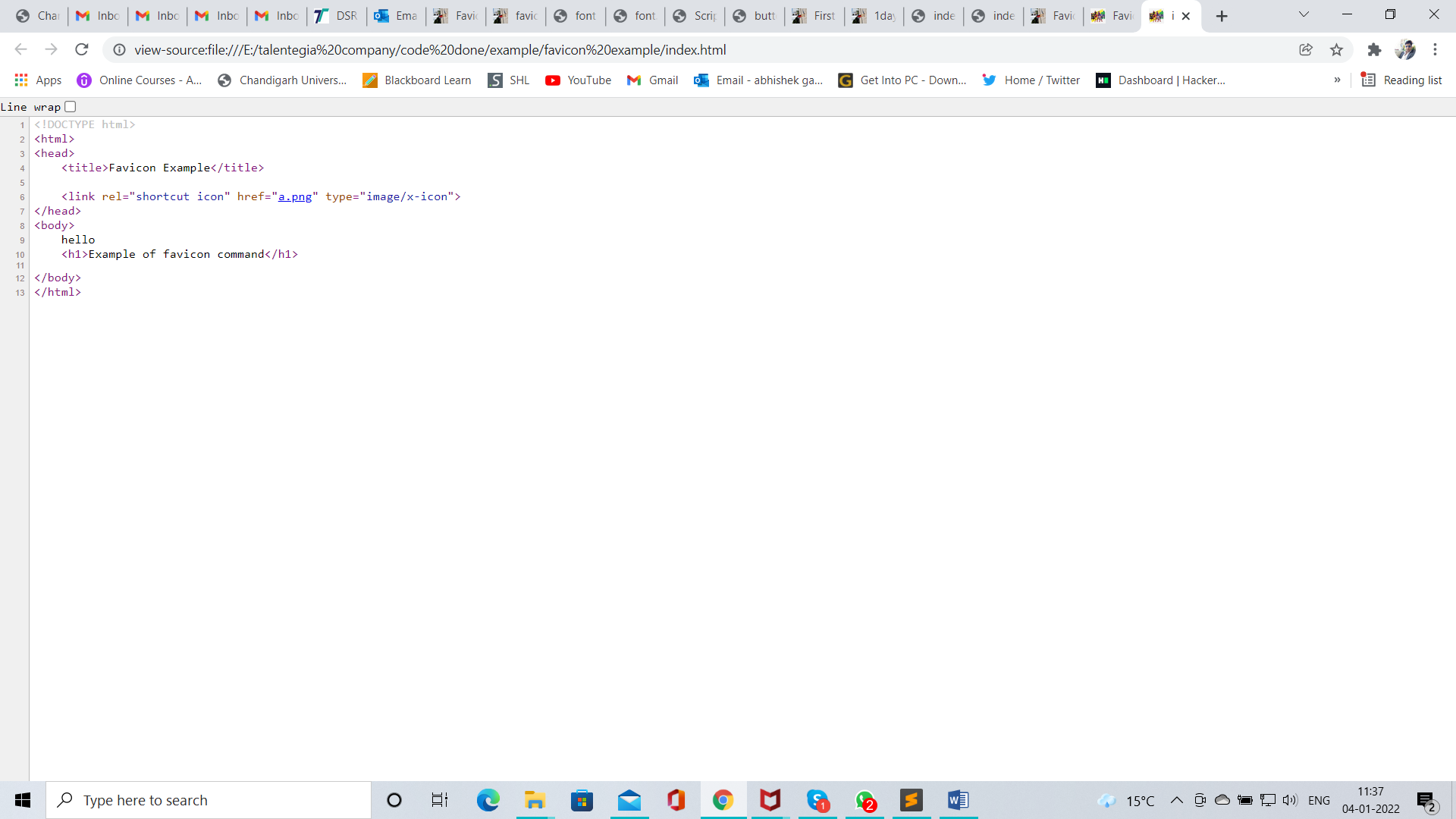


Figure 2 code to use faviconwhen image in same folder

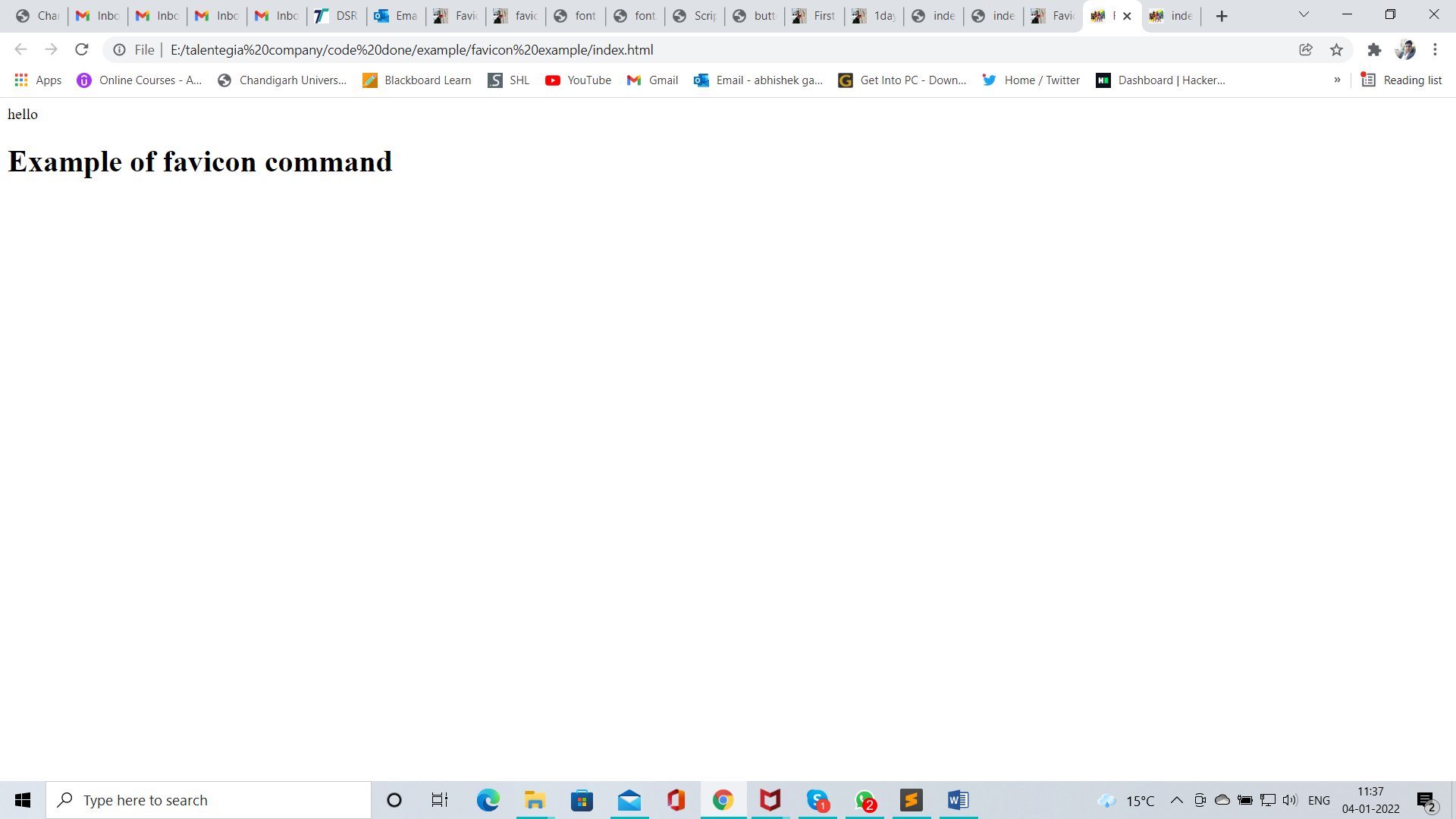


Figure 3 Favicon image 1

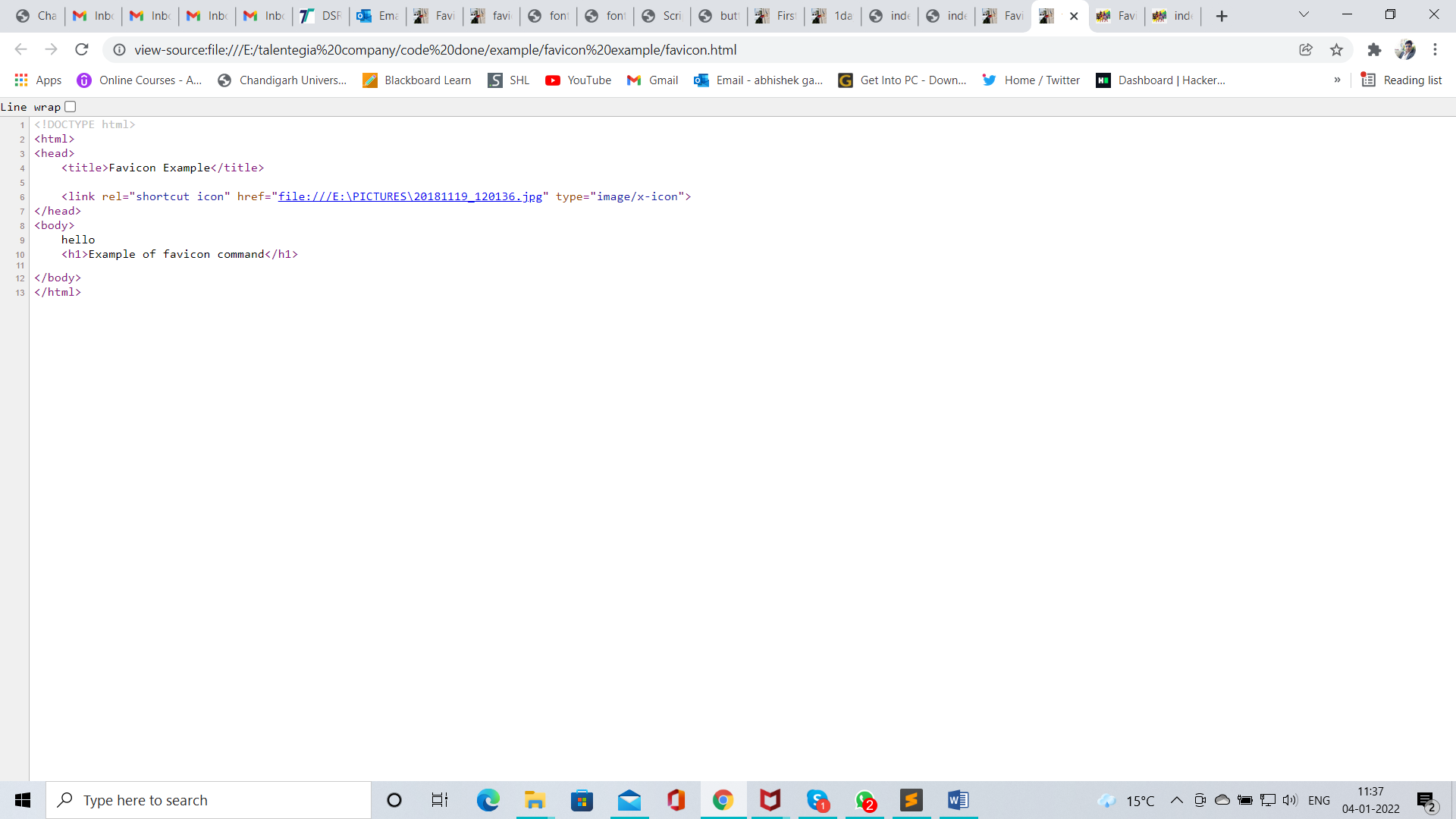


Figure 4 code of favicon when image is in different folder

## <meta/> tag

* Meta data is data about data.
* Metadata is not displayed on web page but it can be machine parsable (understandable).
* <meta/> tag provides metadata about html document
* Meta Attributes
  + Meta keywords
  + Meta description
  + Meta author
  + Meta title
  + Meta charset
  + Meta viewport

## <style>

* It is used to apply styles to html documents
* It is a paired tag.
* Code

<!DOCTYPE html>

<html>

<!-- this is a head section -->

<head>

<title>font example</title>

<style>

p{

color: red;

font-family: candara;

font-size: 50px;

}

body{

background-color: black;

}

h1{

color: black;

font-family: lucida calligraphy;

font-size: 120px;

text-shadow: 0px 0px 5px red;

}

</style>

</head>

<!-- this is a body section -->

<body>

<p>Wlecome</p>

<h1>Font example</h1>

</body>

</html>

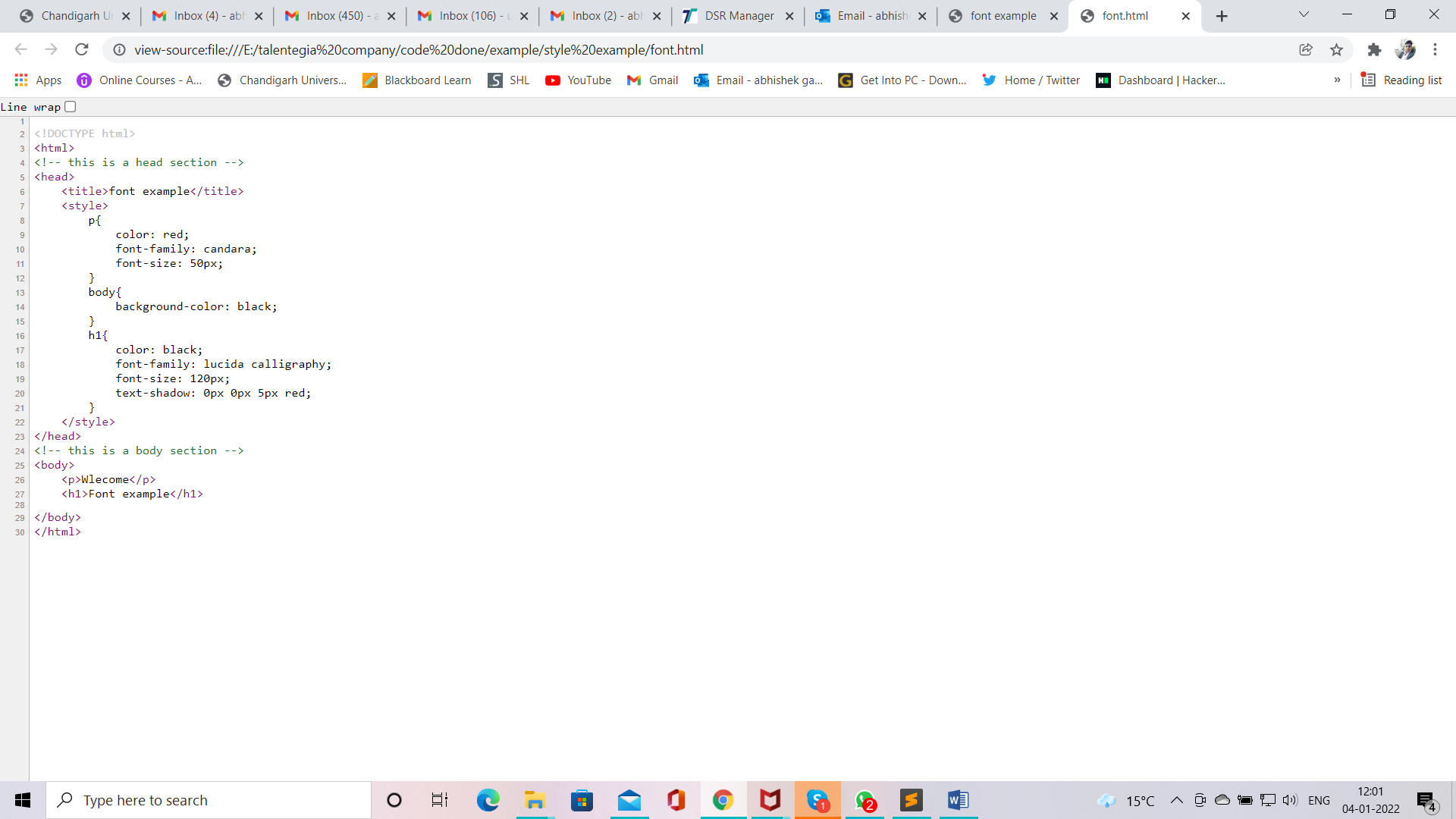
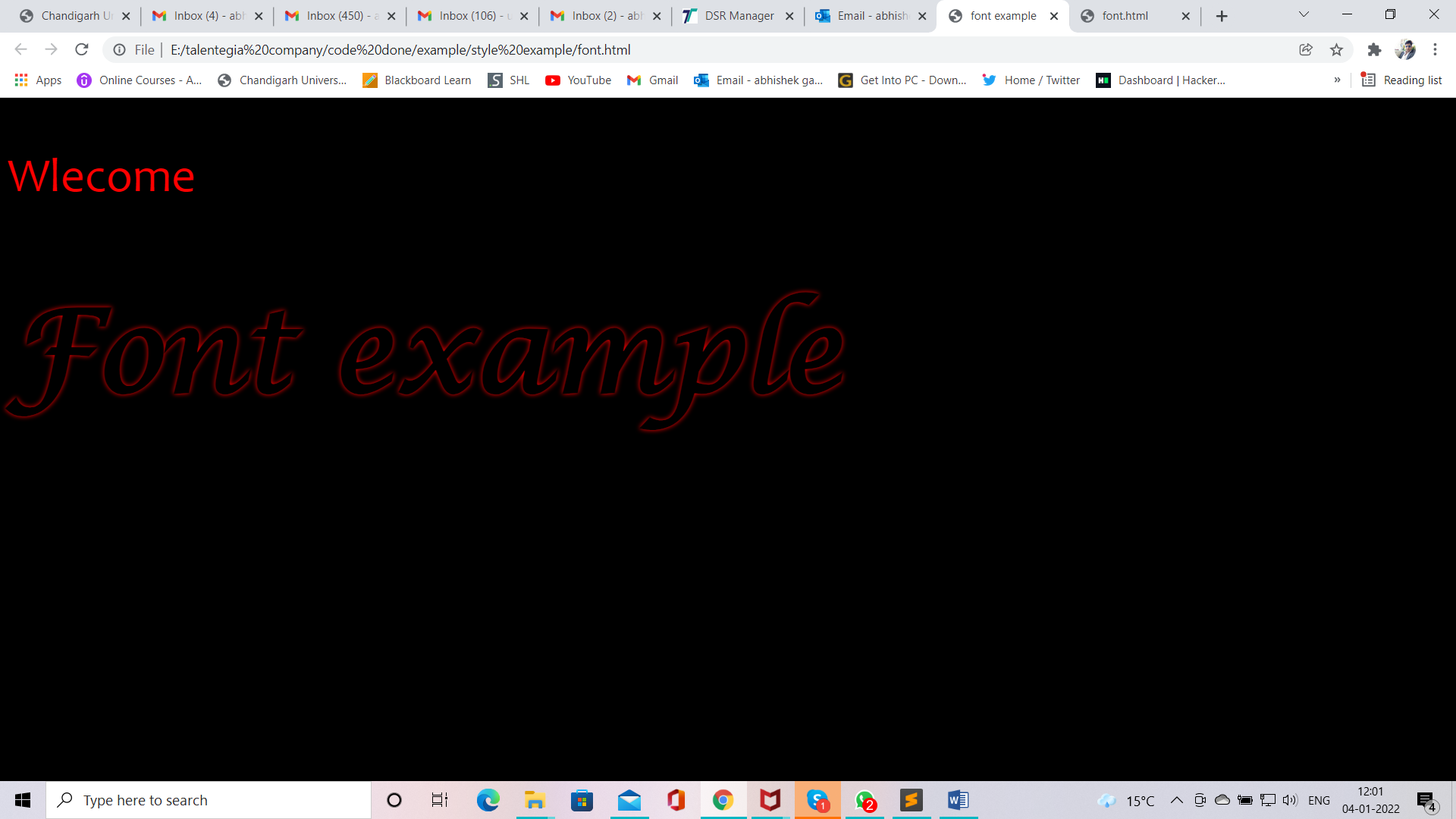


Figure 5 style web page

Figure 6 style code

## <script>

* It is a paired tag.
* It is used to apply script to html page.
* Code

<!DOCTYPE html>

<html>

<!-- this is a head section -->

<head>

<title>Script demo</title>

<script type="text/javascript" language="javascript">

function myAlert()

{

alert("button clicked")

}

</script>

</head>

<!-- this is a body section -->

<body>

<h1></h1>

<p></p>

<button on onclick="myAlert()">click me</button>

</body>

</html>

## Body section

* It contains <body> tag as root elements
* This section contains contents of html document, such as text, hyperlinks, images, special characters, lists, forms etc.
* <body> is paired tag.
  + Attributes parameters
  + Background image path
  + Bgcolor color name/ code
  + Text color name/ code

#### Color codes

* Html color are defined in 24bit RGB values.
* These values are represented in hexadecimal forms.
* Values start with #
* 0 is the lowest values.
* F is the largest/highest value
* R G B color name color code
* #FF FF FF WHITE #FFFFFF
* #00 00 00 BLACK #000000
* #FF 00 00 RED #FF0000
* #00 FF 00 GREEN #00FF00
* #00 00 FF BLUE #0000FF

#### HTML 5 special character(Entities)

* Character entities can be typed as either numbered entity or named entity
* All entities begin with ‘&’ and end with ‘;’
* E.g. &copy; &reg; &trade;
* &#169; &#174; &#8482;
* Website link <http://www.columbia.edu/kermit/ucs2.html>
* But code should be in hexadecimal form
* Code is

<!DOCTYPE html>

<html>

<!-- this is a head section -->

<head>

<title>Html enities</title>

<!-- this is a meta section -->

<meta charset="UTF-8">

<meta name="description" content="">

<meta name="keywords" content="">

<meta name="author" content="">

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

</head>

<!-- this is a body section -->

<body>

<p>&copy; &reg; &trade;</p>

<p>&#169; &#174; &#8482; &#2315; &#176;</p>

</body>

</html>



Figure 11 Enitities web site

#### HTML Headings

* In HTML there are six type of heading tags.
* H1,H2,H3,H4,H5,H6
* All Headings tags are paired tags.
* Attributes Parameters
* Align left, center, right

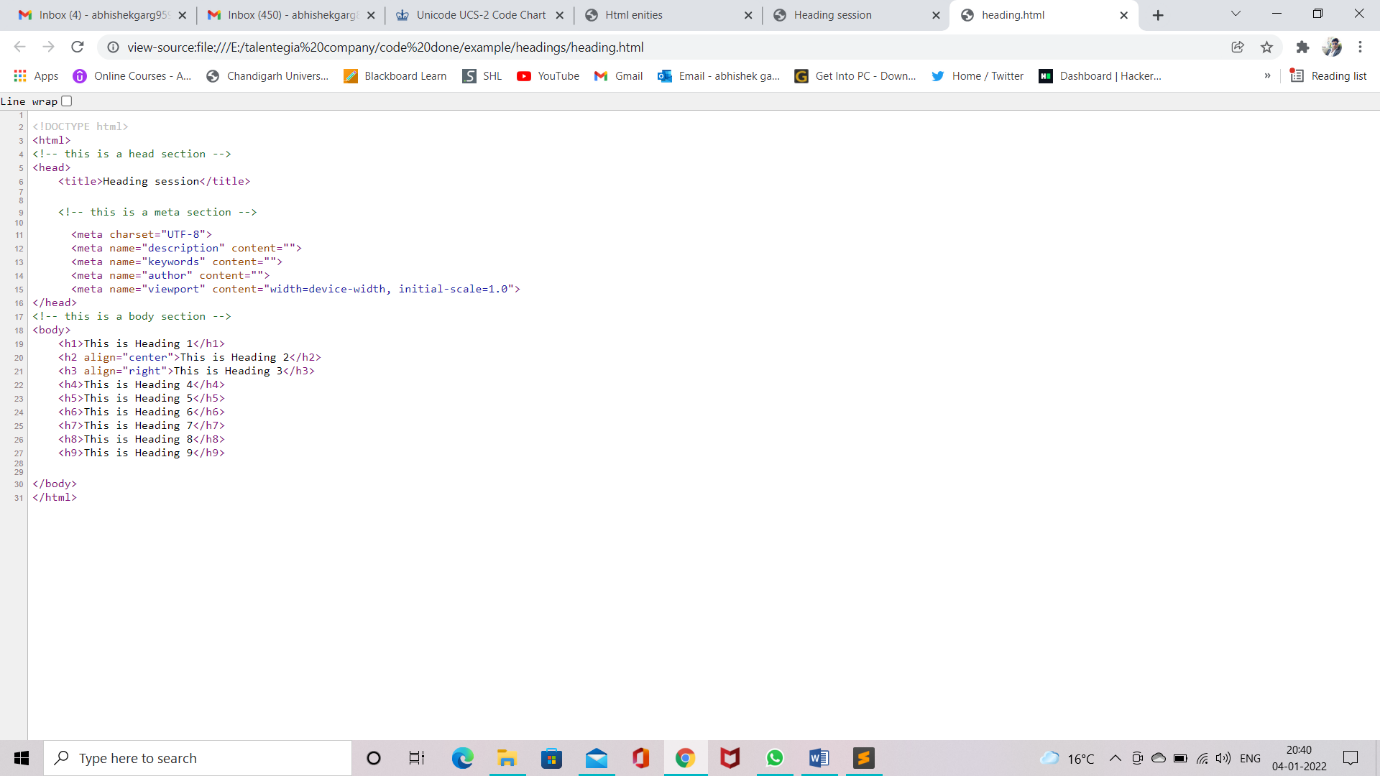


Figure 12 Heading code snip

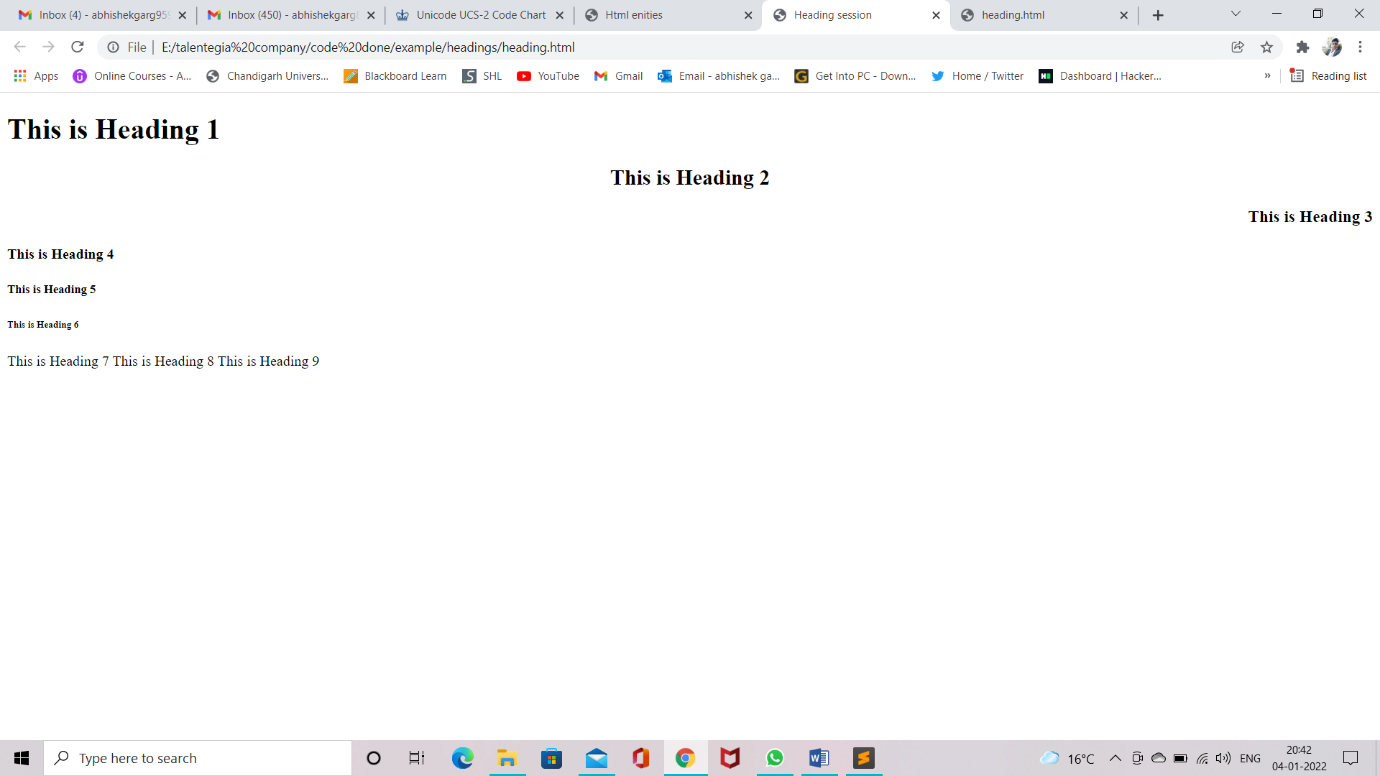
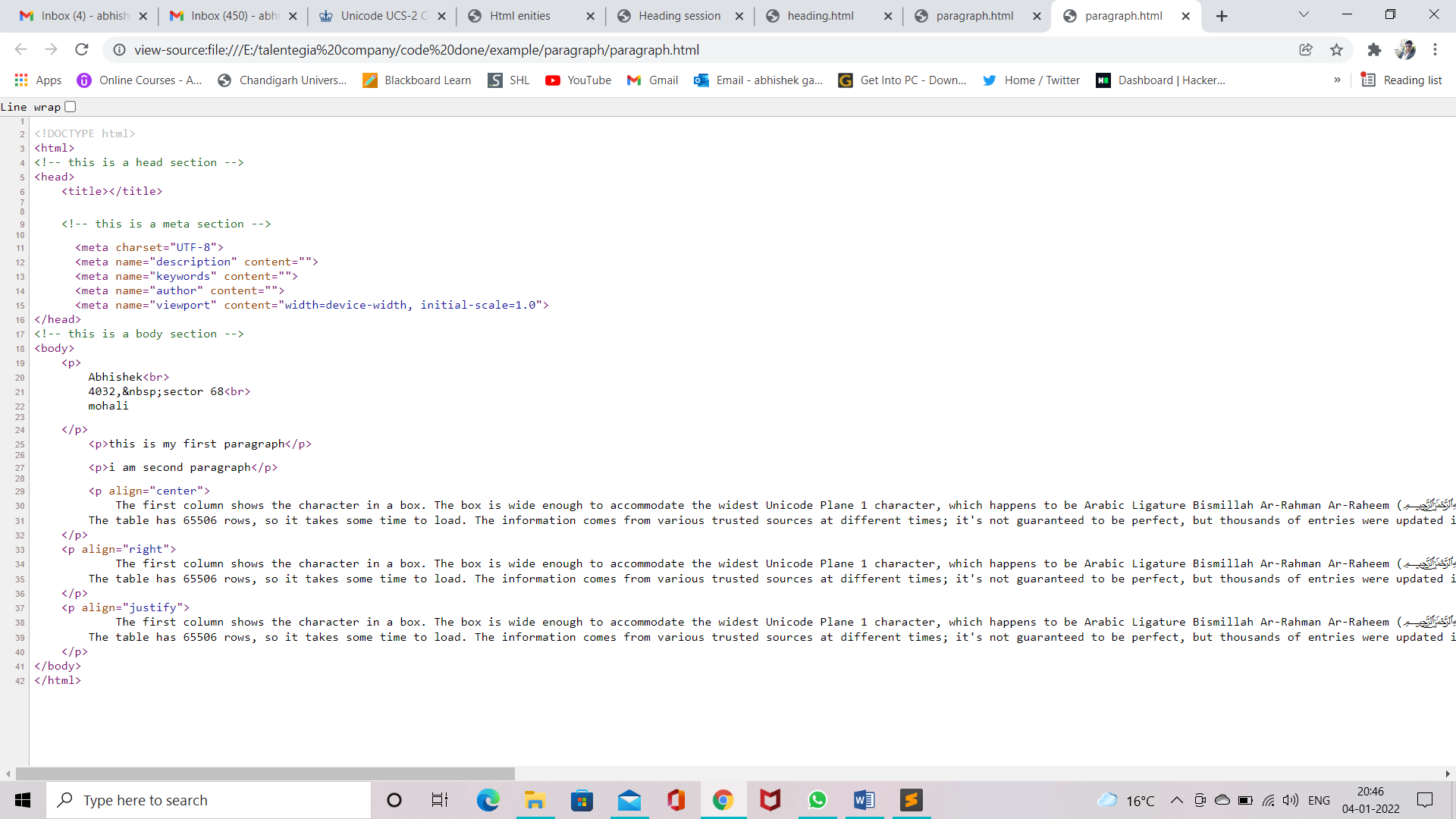


Figure 13 Heading Website view

#### HTML Paragraph(<p> tag)

* It is used to divide text into different paragraphs.
* It is a paired tags.
* Attributes Parameters
* Align left, right,center,justify



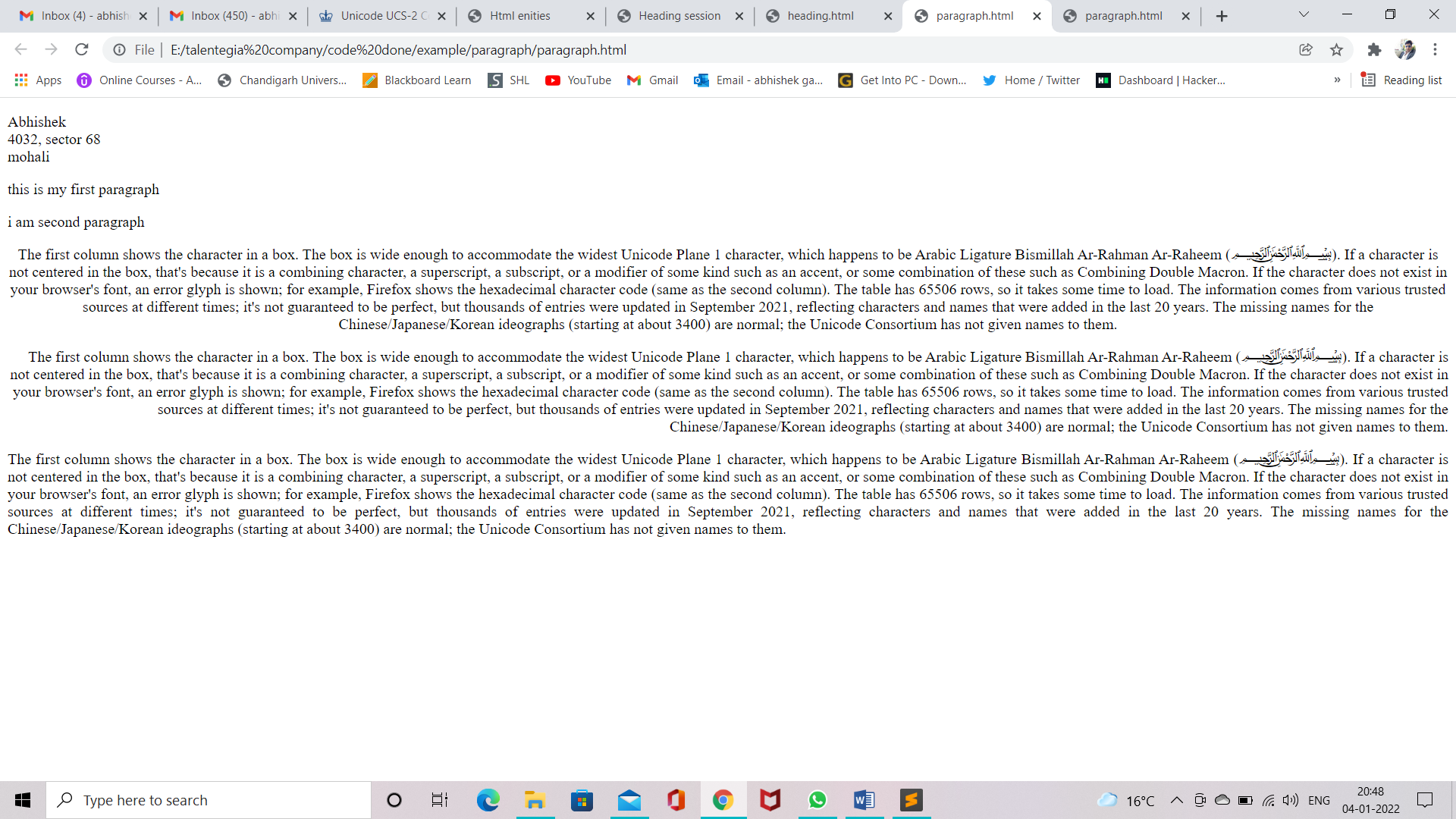


Figure 14 Paragraph web snip

Figure 15 Paragraph code

#### Line Brake(<br> tag)

* <br> stands for breaks.
* It is used to break a line and shift following text to next line.
* It is a non-paired tag.

#### Non-Breaking Space (&nbsp;)

* It is used to insert more than one spaces.
* It is special character entity

#### HTML Horizontal rule(<hr> tag)

* This tag is used to draw a line across the web page.
* It is a non-paired tag.
* Attribute Parameters
* Color color name/code
* Size px
* Width % / px
* Align left, center, right
* Noshade noshade

Note :- Noshade is working with only noshade not with color names.

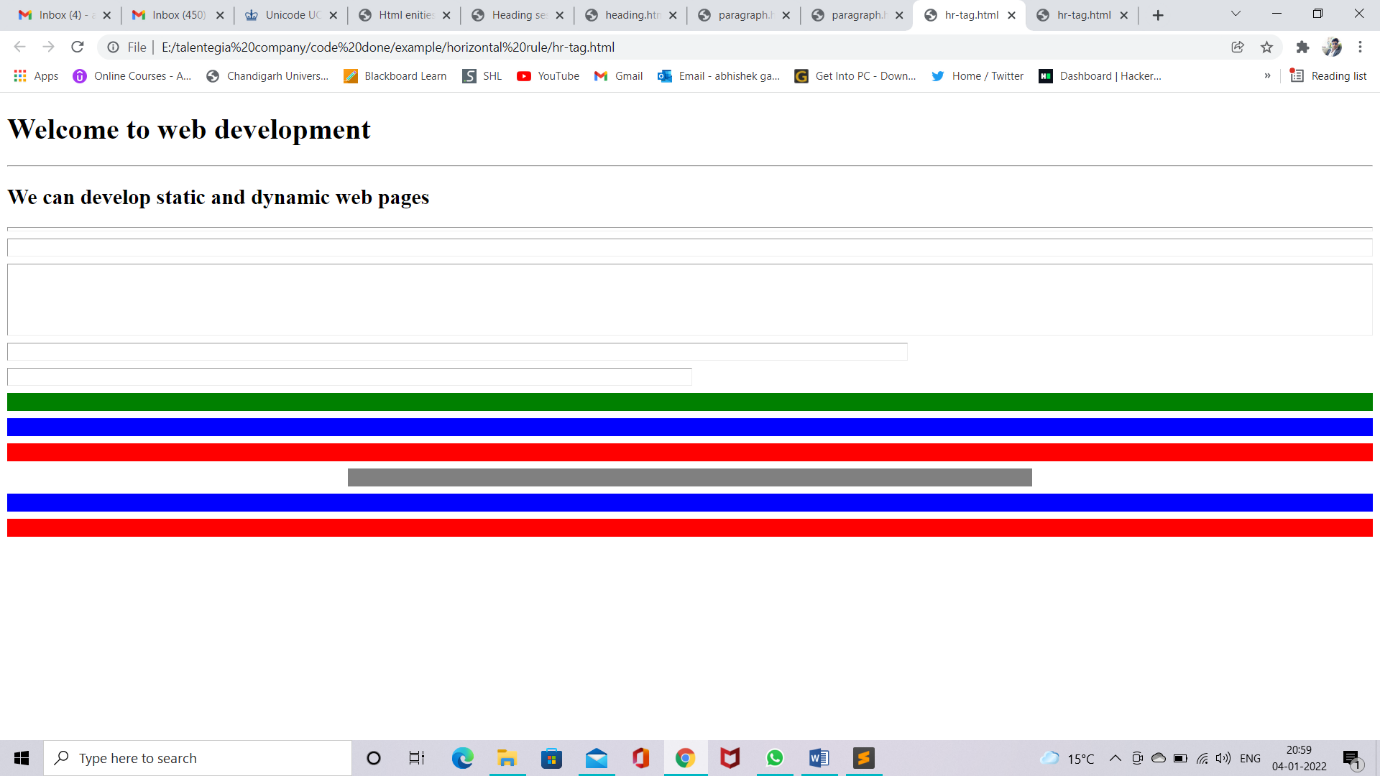
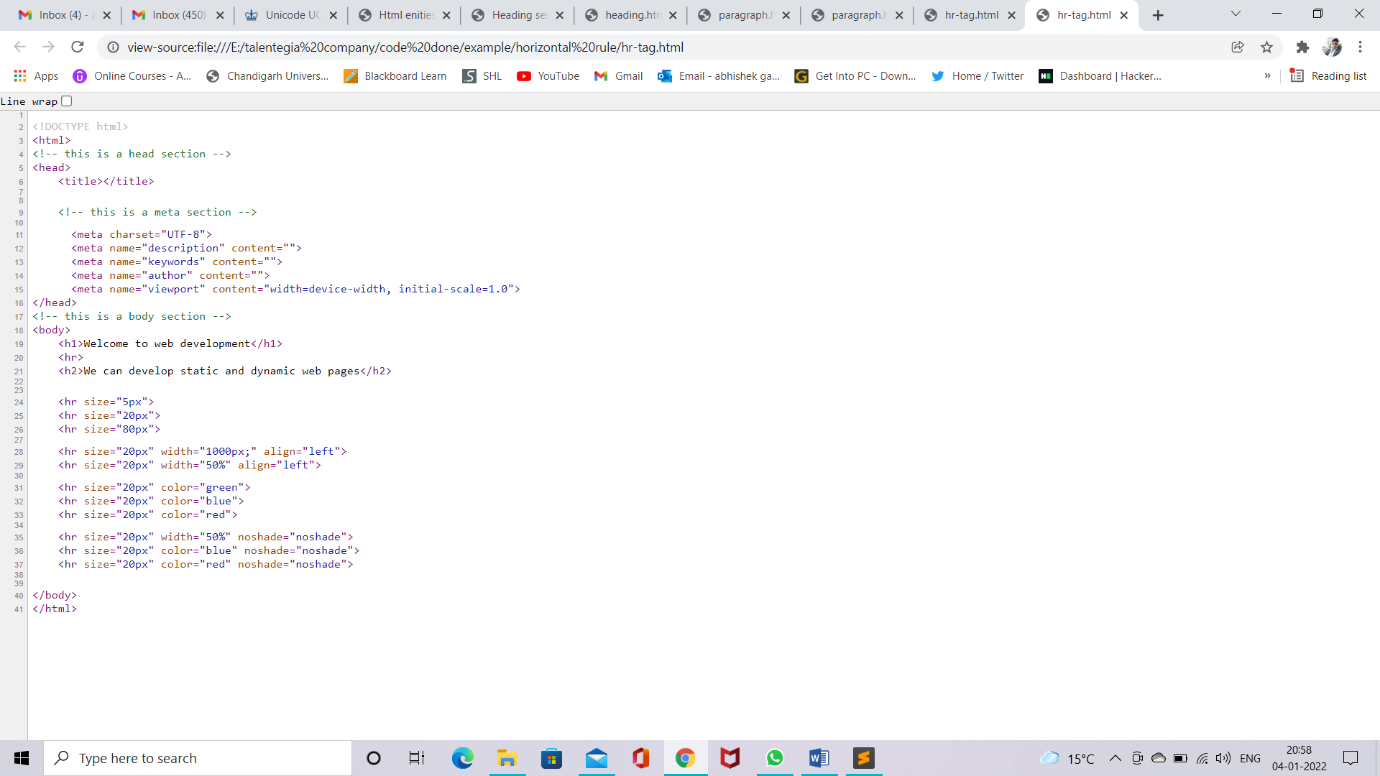


Figure 16 hr tag code

Figure 17 hr tag website snipt

#### User Inputs

* To accept inputs from user, generally we use forms.

###### HTML forms(<form> tag)

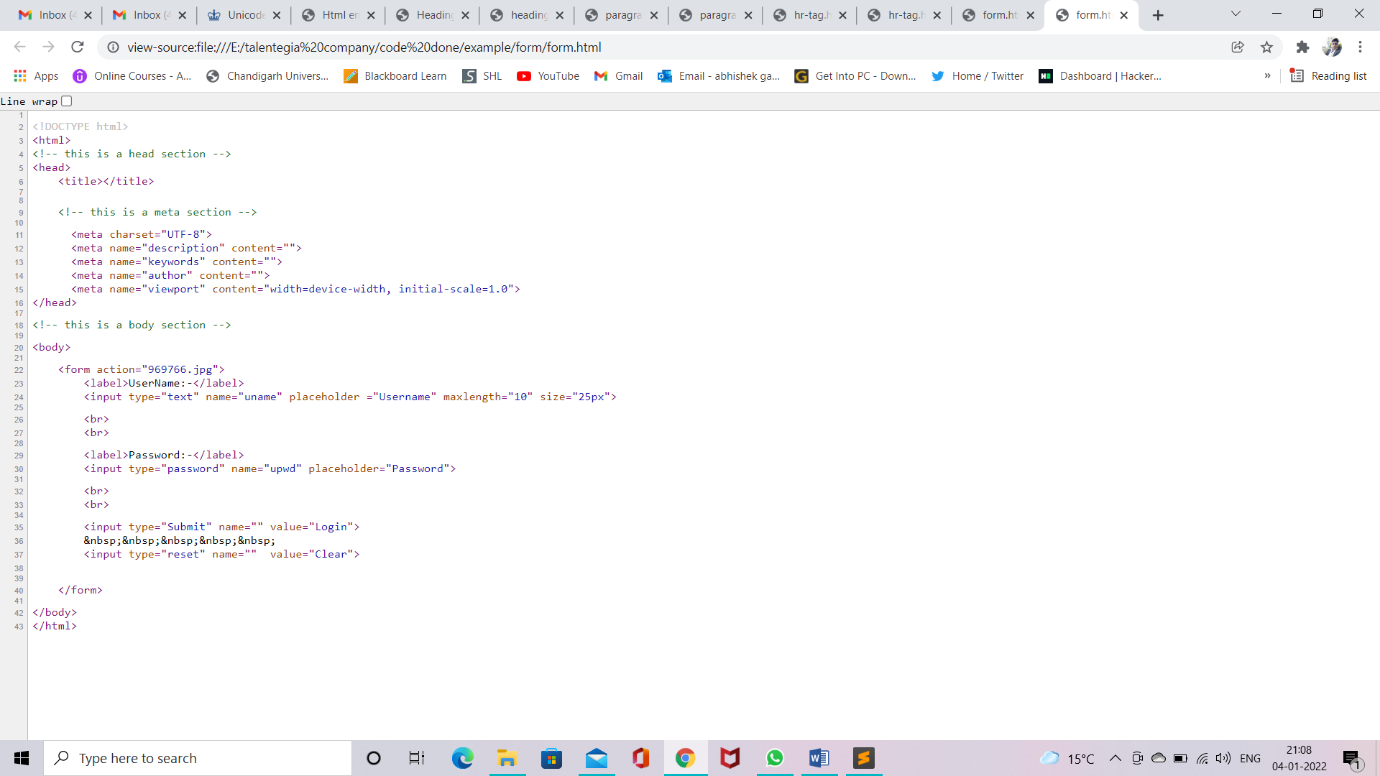
* This tag defines a form that is used to collect user inputs.
* It is a paired tag.
* Form Attributes
* Method
* Action
* Target
* Encrypt
* <input /> tag
  + Attributes Parameters
  + Name any name
  + Value any value
  + Size px
  + Max length number
  + Rows number
  + Cols number
  + Readonly true/false
  + Disabled disabled
  + Checked checked
  + Multiple true/false

Figure 19 form code

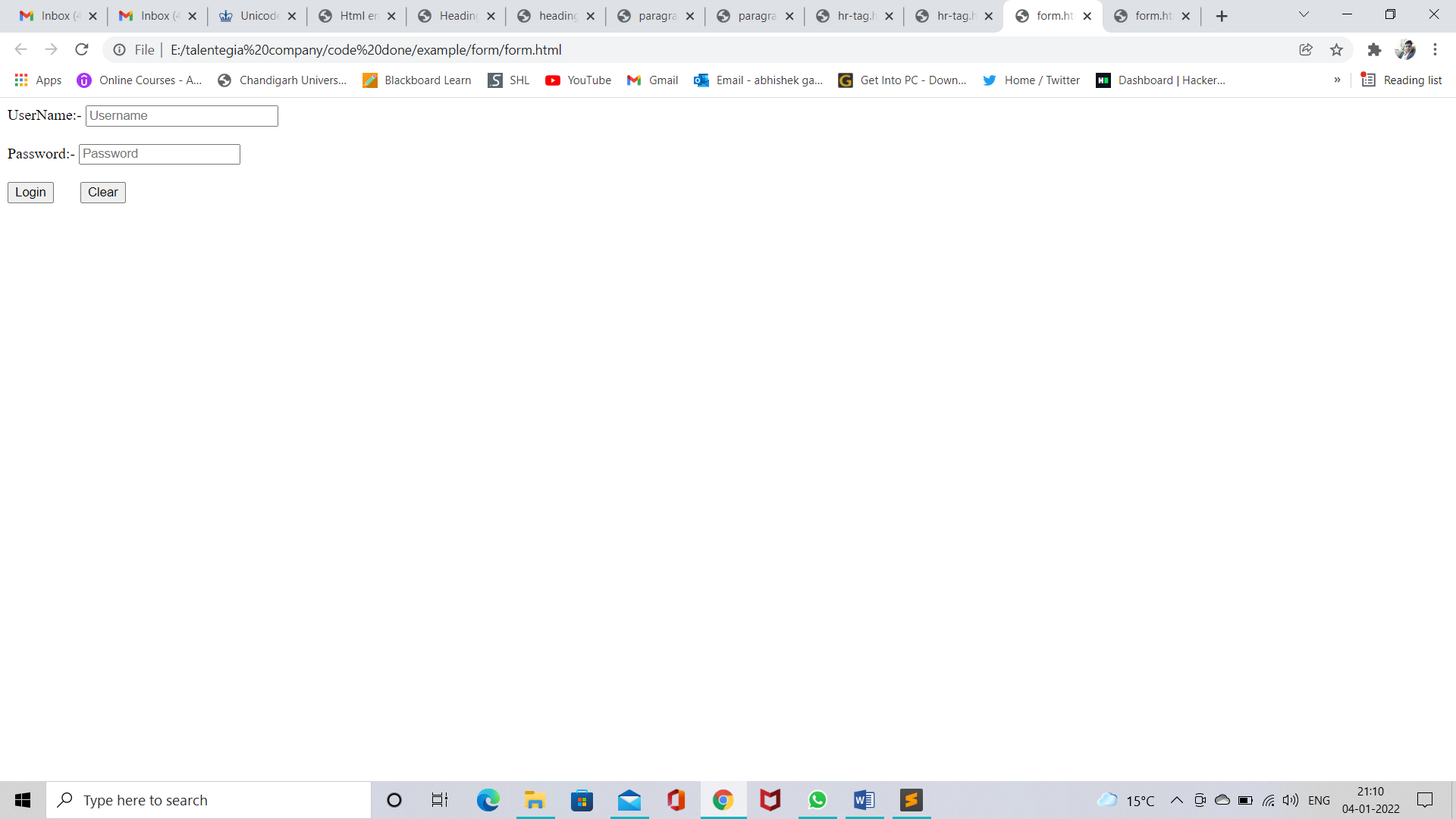


Figure 18 form web look

###### Textarea(<textarea>)

* Multiple textbox
* <textarea rows=”5” cols=”45”>…</textarea>



Figure 20 textarea web snipt

###### Dropdown list tag

* <select> tag is used to create dropdown list
* <option> tag inside select element define the available option in the list.
* <select> and <option> both tag are paired tag.

<select> tag

* Attributes Parameters
* Disabled disabled
* Multiple multiple
* Size number(number of visible option)

<option> tag

* Attribute Parameters
* Disabled disabled
* Label text
* Selected selected
* Value text

<optgroup>tag

* It is used to group logically related option in the dropdown list
* For longlist options group of related options are easier for user to handle.
  + Attributes Parameters
  + Disabled disabled
  + Label text

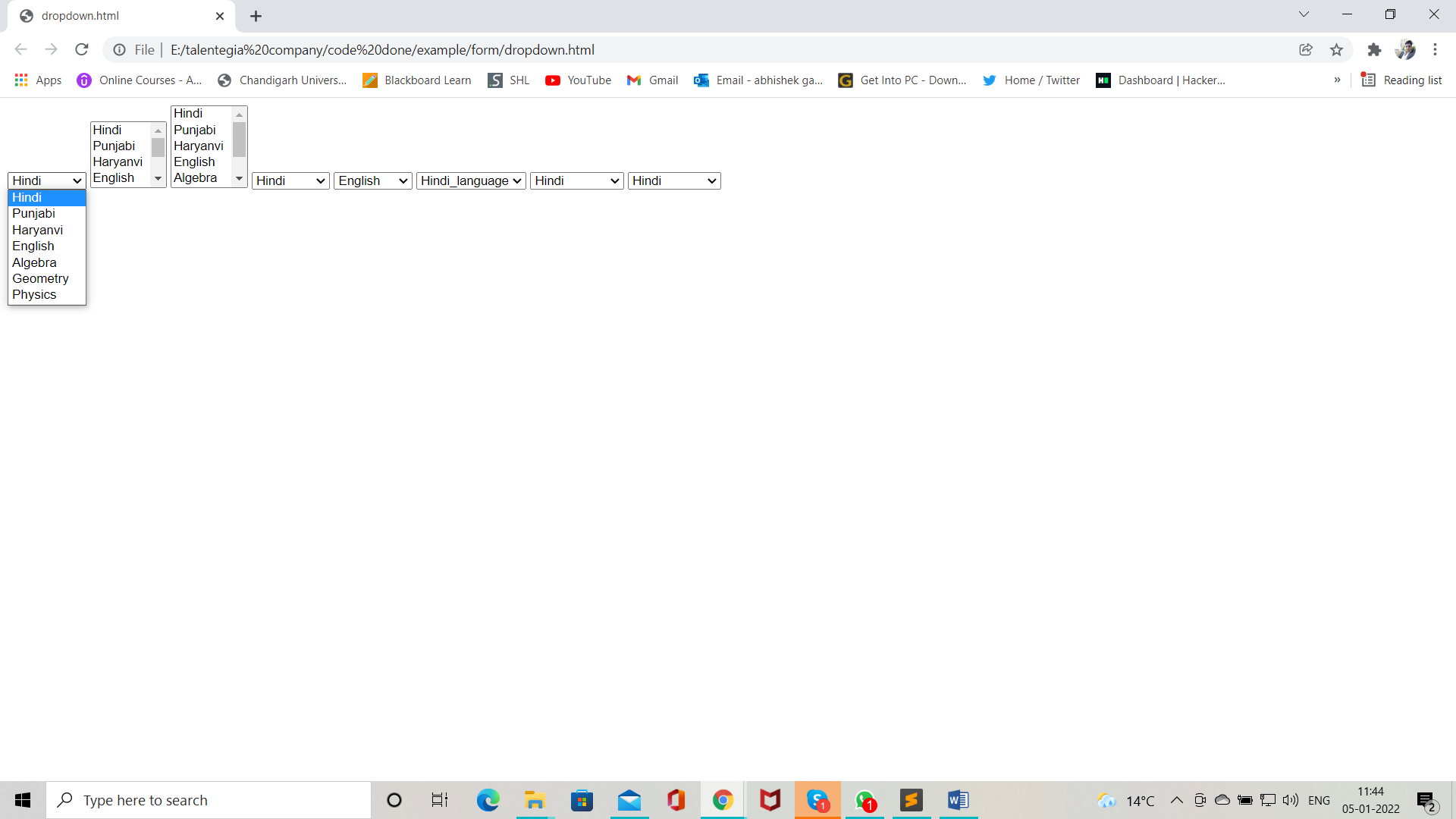


Figure 21 dropdown list web snipt

#### Radio control

* Radio buttons are used when out of many options just one option required to be selected
* This are created using HTML input tag ( type = “radio” )

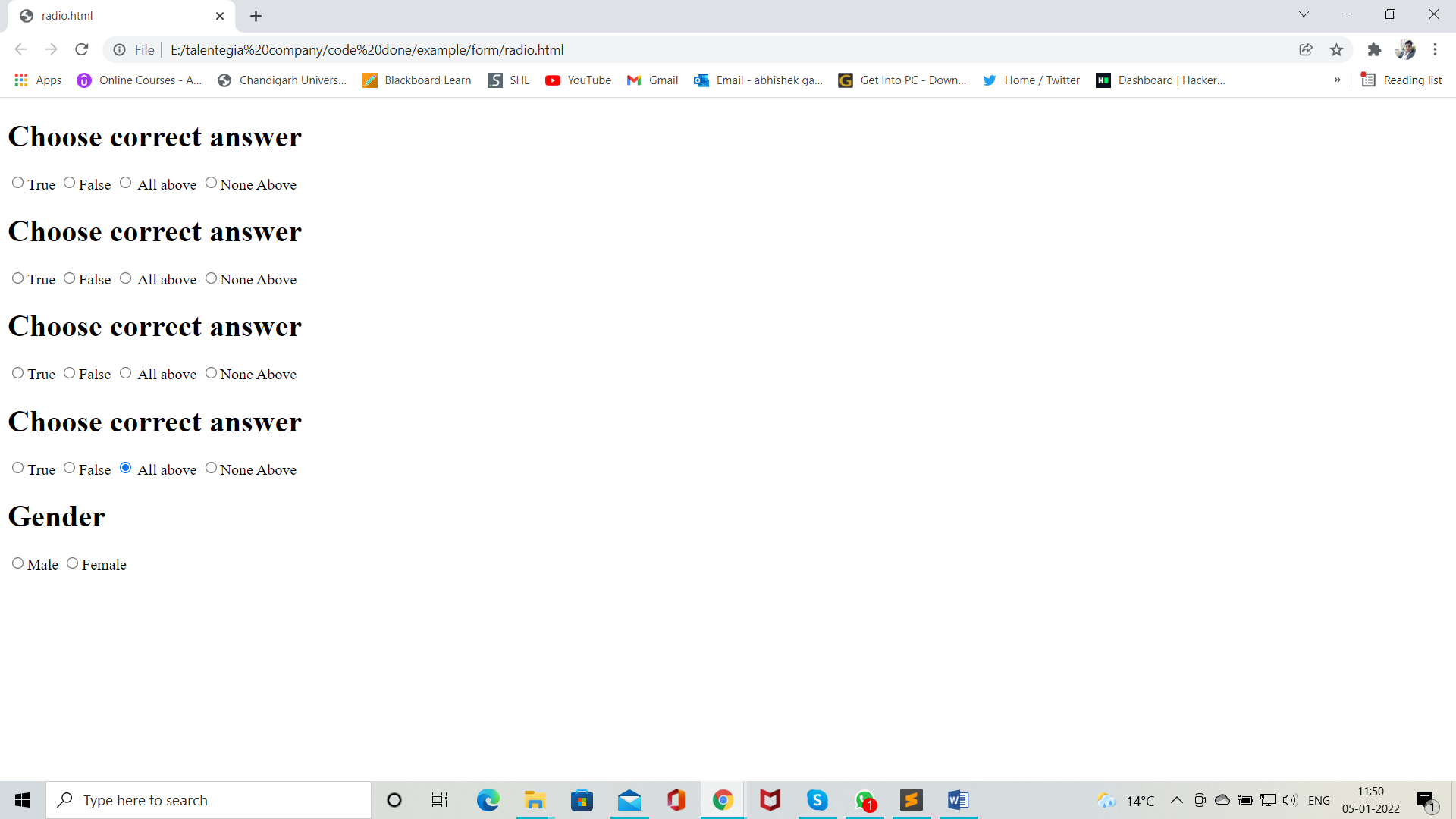


Figure 22 radio web snipt

#### Checkbox

* Checkboxes are used when more than one options are required
* These are created using HTML input tag (type = “checkbox”)

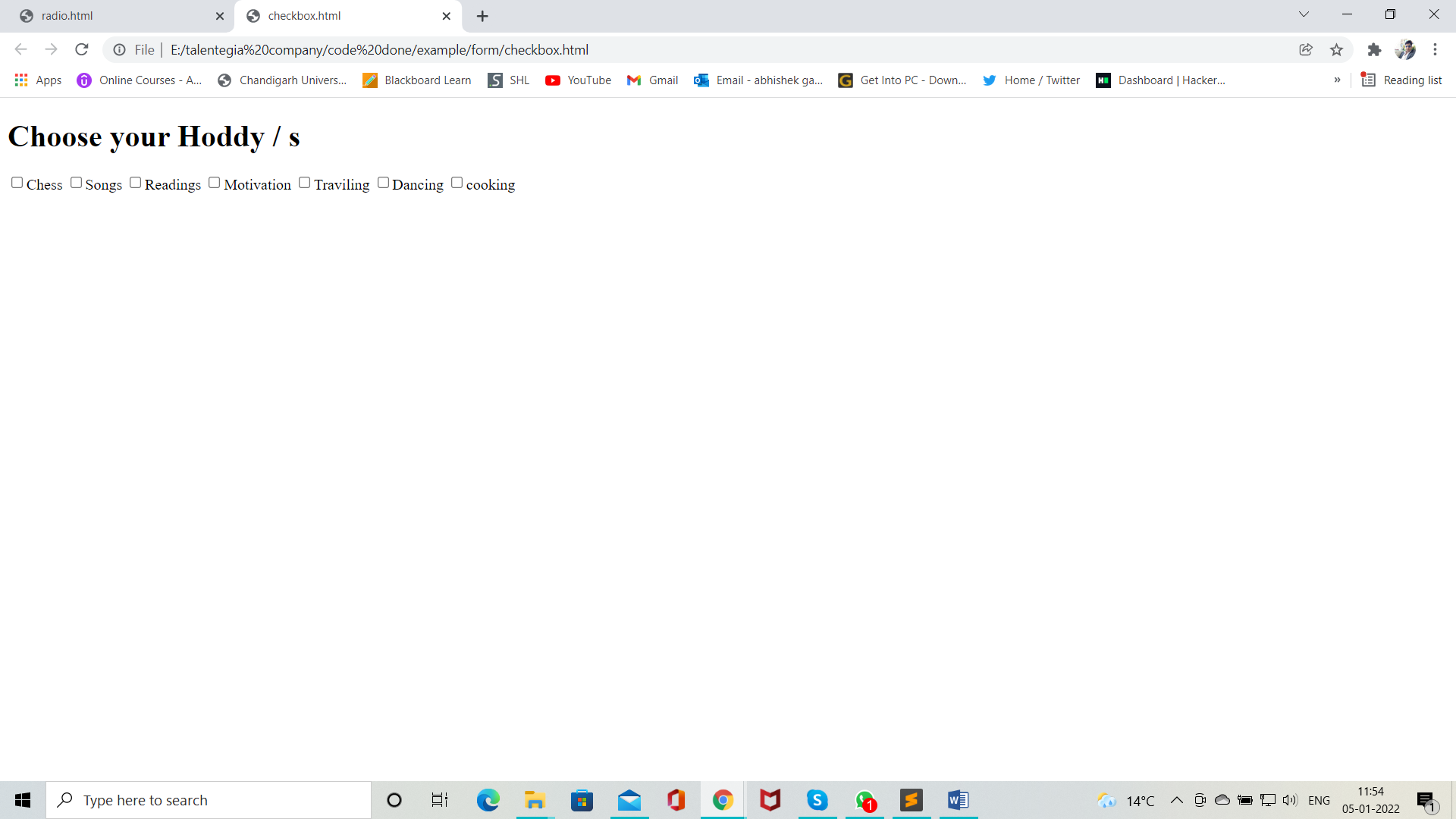


Figure 23 checkbox web snipt

#### <Fieldset>

* It defines group of logically related elements
* Elements are grouped inside a box
* It is a paired tag

#### <legend>

* It is used with field set to give title to each set of fields
* It is a paired tag.
* Attributes Parameters
* Align right, left, center

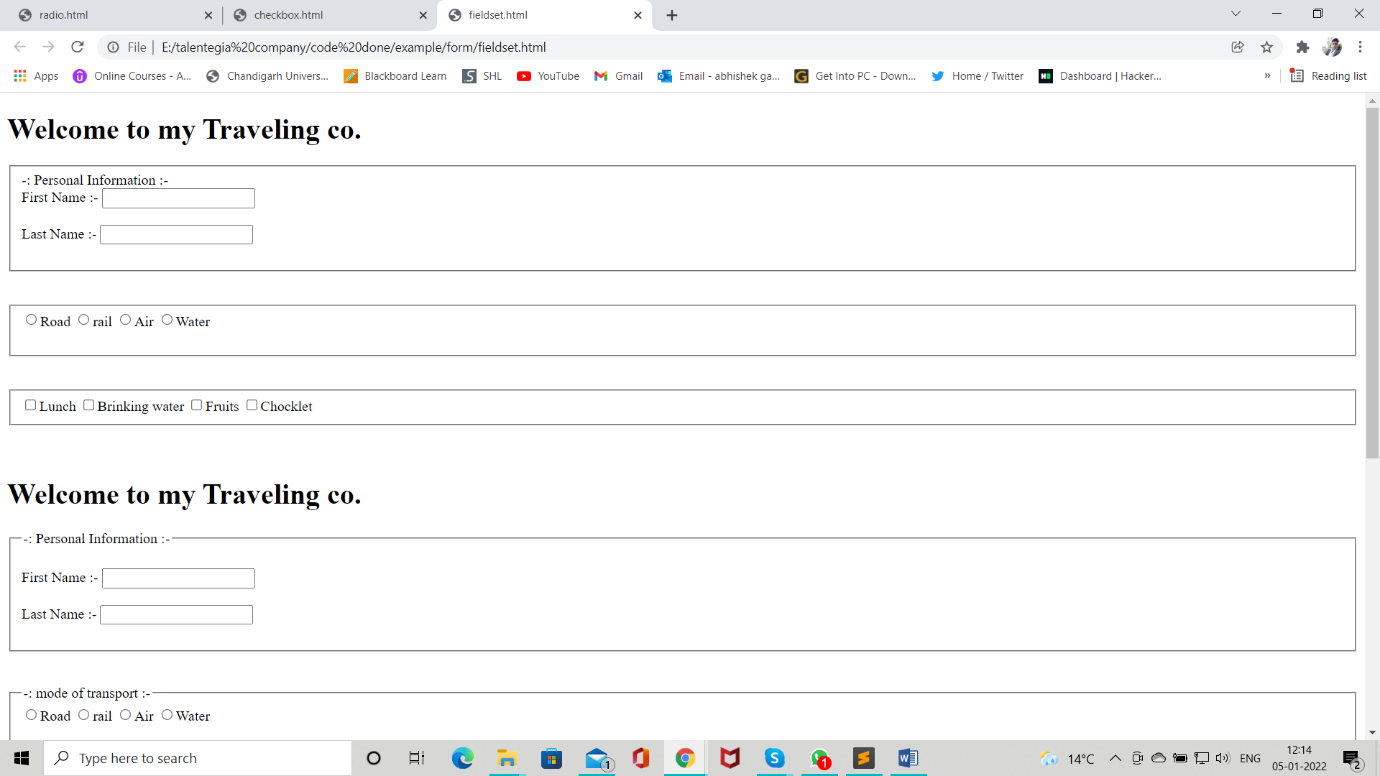


Figure 24 Legend and Fieldset web sinpt 1

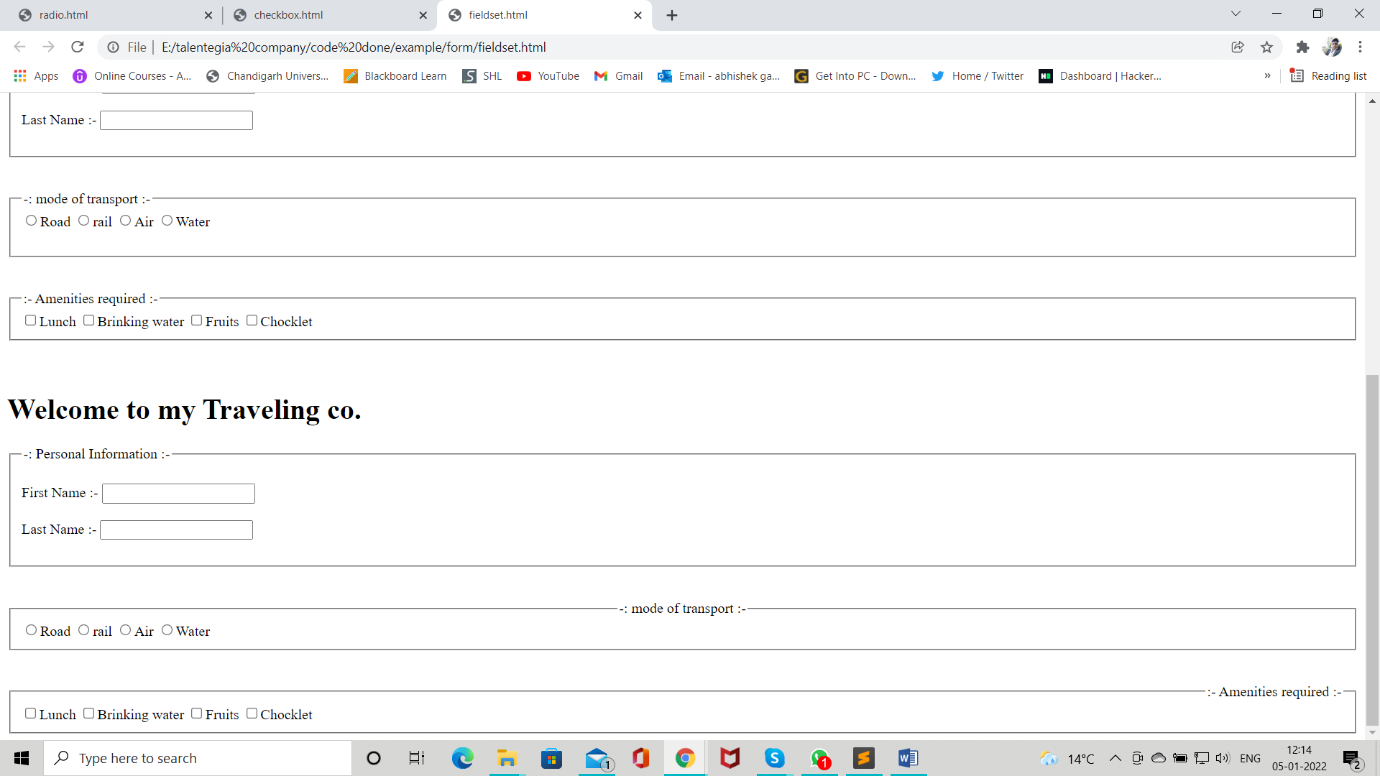


Figure 25 Legend and Fieldset web sinpt 2

#### HTTP ( Hypertext Transfer Protocol )

* It is used to enable/establish communication between client and server
* HTTP works as request-response protocol between client and server
* A web browser is client
* The computer who hosts the website is server

###### HTTP request methods

* There are various methods of HTTP requests
* E.g. GET, POST, PUT, UPDATE, DELETE, CONNECT, … etc.
* Of which two methods are commonly used for request – response between client and server.
  + Get method
  + Post method

###### Action Attribute

* This attribute is used to specify url of the server page to which we want to send our form data.

Get Methods

* In this methods there is no security for data.
* This methods can send only limited data(2MB)
* It can carry row data from client to server.
* Notes:-
* GET requests can be cached.
* GET remain in browser history.
* GET requests can be bookmarked.
* GET requests should not deal with sensitive data.
* GET requests length is rest recited.
* GET requests have excellent performance
* GET requests cannot upload images.

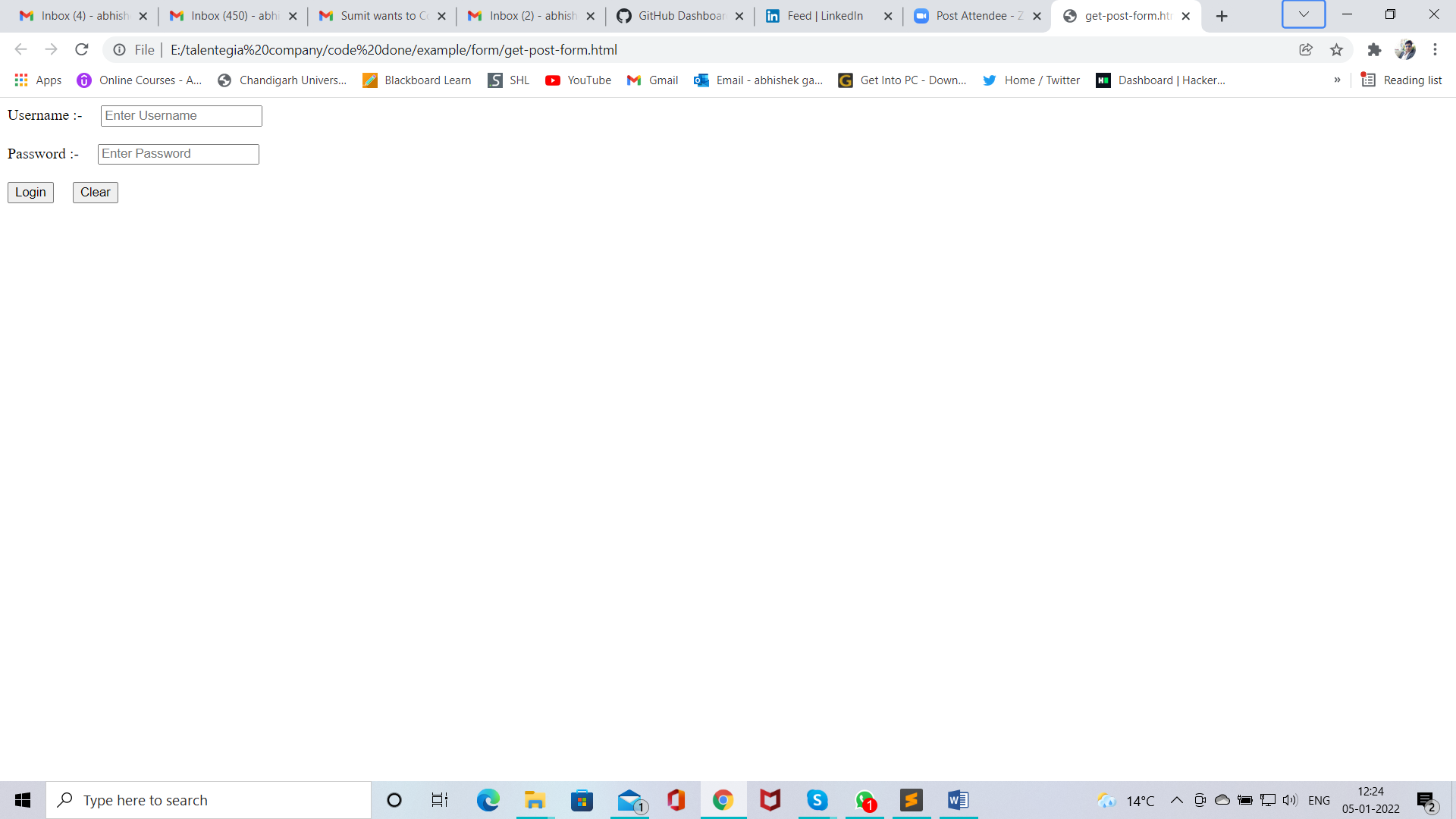


Figure 26 get web snipt 1

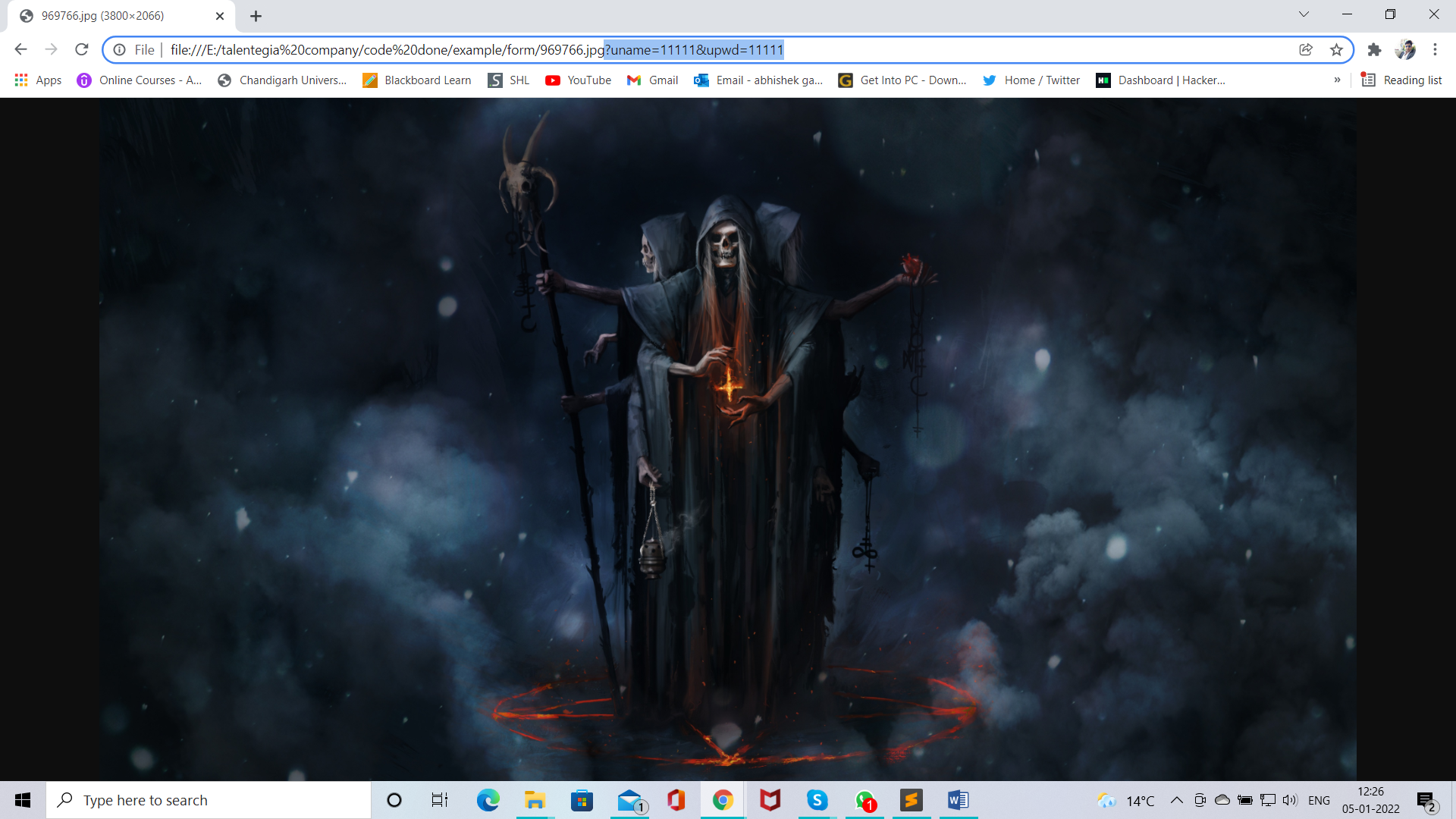


Figure 27 get web site snipt 2

POST request

* In this method we have security for data.
* This method can send bulk of data.
* It can carry encrypted data from client to server.
* Notes:-
* Post requests cannot be cached.
* Post requests do not remain in browser history.
* Post requests cannot be bookmarked.
* Post requests can be deal with sensitive data.
* Post requests have no limit for data.
* Post requests have good performance.
* Post requests can upload images.

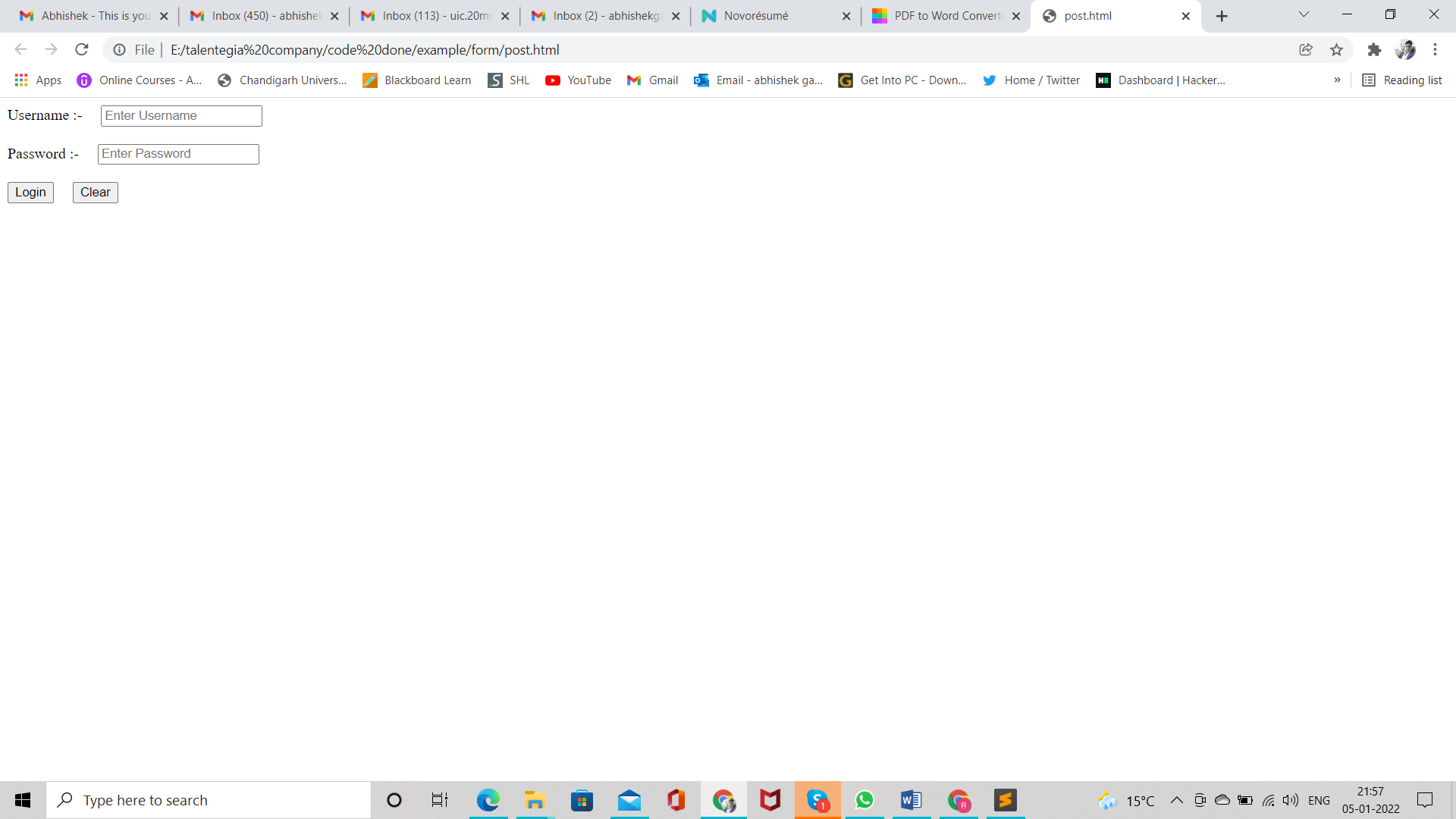


Figure 28 post web snipt 1

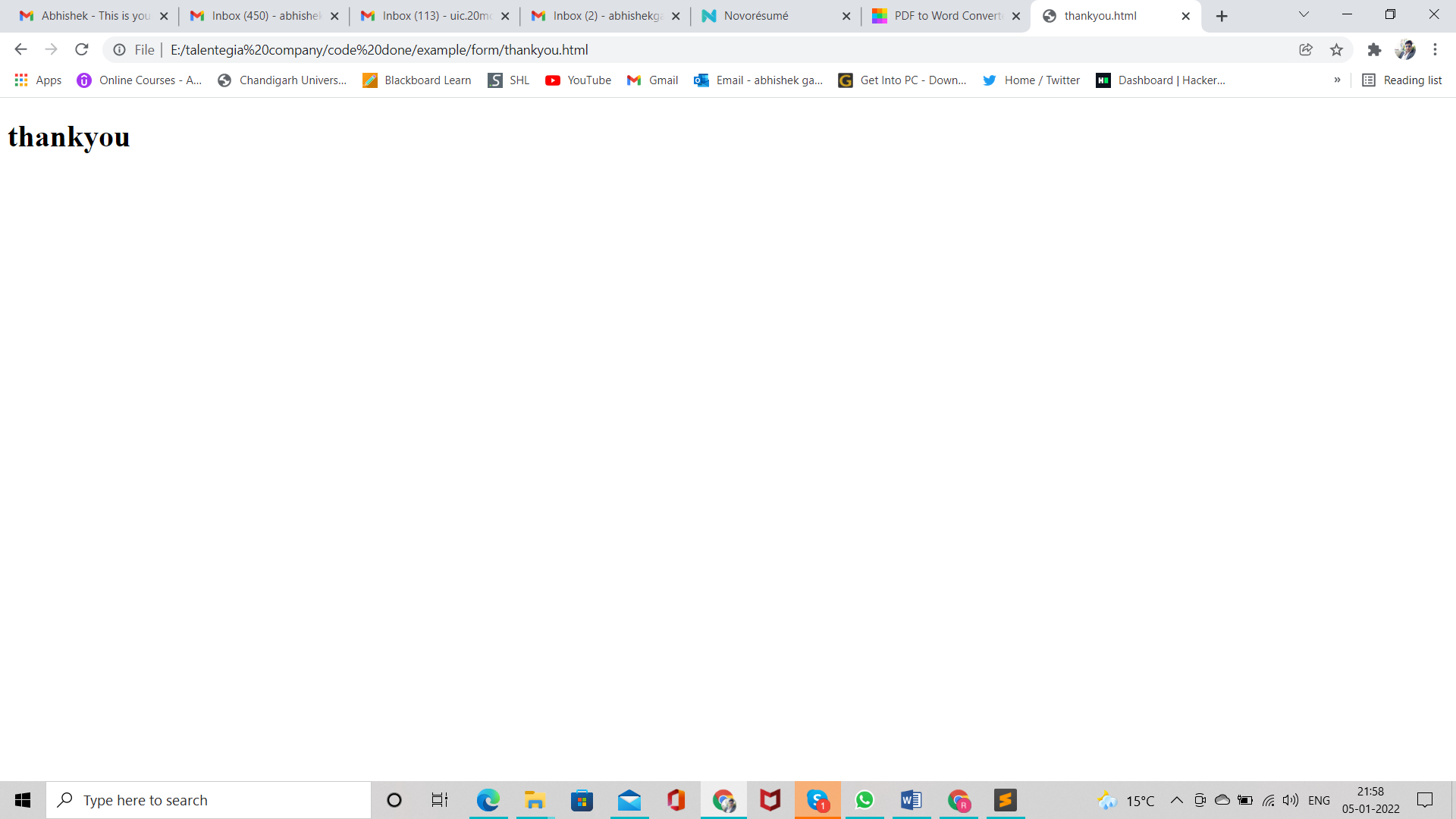


Figure 29 post web snipt 2

###### HTTP Status message / Code

* 1xx 100 to 199 information
* 2xx 200 to 299 Success full
* 3xx 300 to 399 Redirection
* 4xx 400 to 499 Client side errors
* 5xx 500 to 599 Server side errors

###### HTML Images

* To insert image on HTML page <img /> tag is used.
* It is non-paired tag.
* Attributes Parameters
* Align left, right
* Border px
* Height px / %
* Width px / %
* Src URL(Uniform resource Locator)
* Note:- for responsive we used % in place of px. Because % automatically adjust his length and width according to device.

###### Anchor tag ( a tag)

* It defines hyperlinks, which is used to link resources from one page to another page.
* It is a paired tag.
* Attributes Parameters
* Href URL
* Target blank(open new page)
  + - * Parent(stay on same page)

###### Lists in HTML

* There are three types of lists in html
  + Ordered list <ol> <li></li> </ol>
  + Unordered list <ul> <li></li> </ul>
  + Definition list <dl> <dt> <dd>

Ordered list <ol>

* It is also called as numbered list.
* It is used to give numbering to list items
* Attributes Parameters
* Type I, i , a , A, 1
* Start any number

Unordered list

* It is also called as bulleted list
* It is used to give bullets to list items
* Attributes Parameters
* Type disc, circle, and square.

Nested List

* List inside the list is called the Nested list

Definition list

* It is also called as Descriptive list.
* It is used to give definitions to definition terms.
* <dt> is used to specify definition term.
* <dd> is used to specify definition data/description.

###### HTML Presentational Tags

<blockquote>

It specifies a section that is quoted from another source.

<pre> or <xmp>

It is preformatted text.

<sub>

It displays subscript.

<sup>

It displays superscript

<b> or <strong>

It uses to bold the text.

<small>

It uses to small the text.

<i> or <em>

It uses to italic the text

<u>

It uses to underline the text.

###### HTML Tables

* Tables are used to represent data in tabular form.
* Tables are created using <table> tag.
* Table rows are represented using <tr> tag.
* Table cells (data) represented using <td> tag.
* Table is divided into two section head and body.
  + Table head is represented using <thead> tag.
  + Table body is represented using <tbody> tag.
* Attributes Parameters
* Border pixels
* Bordercolor color
* Bgcolor color
* Background image
* Height px / %
* Width px / %
* Align left, right, center
* Valign top, bottom, middle
* Rules rows, cols, all, none
* Cellspacing px
* Cellpadding px
* Rowspan number
* Colspan number

###### Span Tag

* It is used to apply inline styles on some specific span

###### Div

* By using this tag we can divided a webpage as multiple divisions.
* Attributes Parameters
* Align left, right, center

###### Other inputes

* Color
* Date
* Month
* Week
* Time
* file

###### <marquee>

* it is a scrolling piece of text,image, or any other content of web page.
* It scrolls in either horizontal or vertical direction.
* In general this tag is not used, instead CSS, JS etc. used to create such effects.
* Attributes Parameters
* Width % / px
* Height % / px
* Direction up, down, left, right
* Behaviour scroll, slide, alternate
* Scrolldelay number ( by default 85ms)
* Scrollamount number ( by default 6px)
* Loop number ( by default infinity)
* Bgcolor color
* Hspace %
* Vspace %

###### HTML 5 new Tags

<article> It defines the independent or self-contained content of a webpage.

<aside> It defines the content which provide information about the main content.

<bdi> It is used to isolate the part of text which might be formatted in another direction.

<details> It defines additional information which only visible as per user demand.

<dialog> It represents a dialog box or other interactive components.

<figcaption> It defines caption for the <figure> element.

<figure> It defines a self-contained content, and referenced as a single unit.

<footer> It represents the footer section of the webpage.

<header> It defines the introductory or navigational content of the webpage.

<main> It specifies the main content of the HTML document.

<mark> It represent the text which is highlighted or marked for reference or notation purposes.

<meter> It represents a scalar value within a known range.

<nav> It represents the section which contains navigation links.

<progress> It defines a progress bar which shows completions progress of a task.

<rp> It defines alternative content for the browser which do not support ruby annotations.

<rt> It defines explanations and pronunciations of characters in ruby annotations.

<ruby> It defines ruby annotations (Specifically for Asian language).

<section> It defines a generic section within an HTML document.

<summary> It defines summary or caption for a <details> element which can be clicked to change the state of <details> element.

<time> It defines data/time within an HTML document.

<wbr> It specifies a line break opportunity. (Where line break possible)

###### Graphics Tags

<canvas> It allows drawing graphics and animations via scripting.

<svg> It is used to draw scalable vector graphics.

###### HTML5 Media Tags

<audio> It defines sound content.

<embed> It defines a container for external files/application/media.

<source> It defines multiple media resources for the media elements.

<track> It defines text tracks for <audio> and <video> files

<video> It defines video content within HTML document.

###### HTML5 New Inputs

color Color selector, which could be represented by a wheel or swatch picker

date Selector for calendar date

datetime-local Date and time display, with no setting or indication for time zones

datetime Full date and time display, including a time zone.

email Input type should be an email.

month Selector for a month within a given year

number A field containing a numeric value only

range Numeric selector within a range of values, typically visualized as a slider

search Term to supply to a search engine. For example, the search bar atop a browser.

tel Input type should be telephone number.

time Time indicator and selector, with no time zone information

url Input type should be URL type.

week Selector for a week within a given year