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Git Hub Link - <https://github.com/gudesrikanth/webcourse/tree/main/Webpart/ICP2>

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Git Hub Link - https://github.com/gopinelluri9/demo_remote_repository/tree/main/WebPart/ICP2

ICP – 2(HTML & CSS)

Introduction:

Hyper Text Markup Language (HTML) is a markup language that is used to create Web pages and that defines the layout of a Web page. HTML elements are made up of a series of components that communicate with a browser about how to display the content. HTML elements also label pieces of content, such as "this is a heading," "this is a paragraph," "this is a link," and so on.

The layout of a webpage is formatted using Cascading Style Sheets (CSS). Color, font, text size, spacing between components, how components are arranged and placed out, what background pictures or color combination will have to be used, various displays for different screen sizes, and also much more can all be controlled with CSS.

Webpage Description:

I have taken my work and professional experience as a main part and created a webpage using various tags.

<h> Defines heading : used for main headings and side headings, I used this tag for my work experience and Education, for main headings I used h1 tags and for side tags h2 and h3 tags.

<p> Defines paragraph : used for all types of paragraphs, I have used this tag for description of heading.

 Defines un ordered list : it is used to list the elements in unordered list, I have used this tag for my technical skills to arrange in un ordered list.

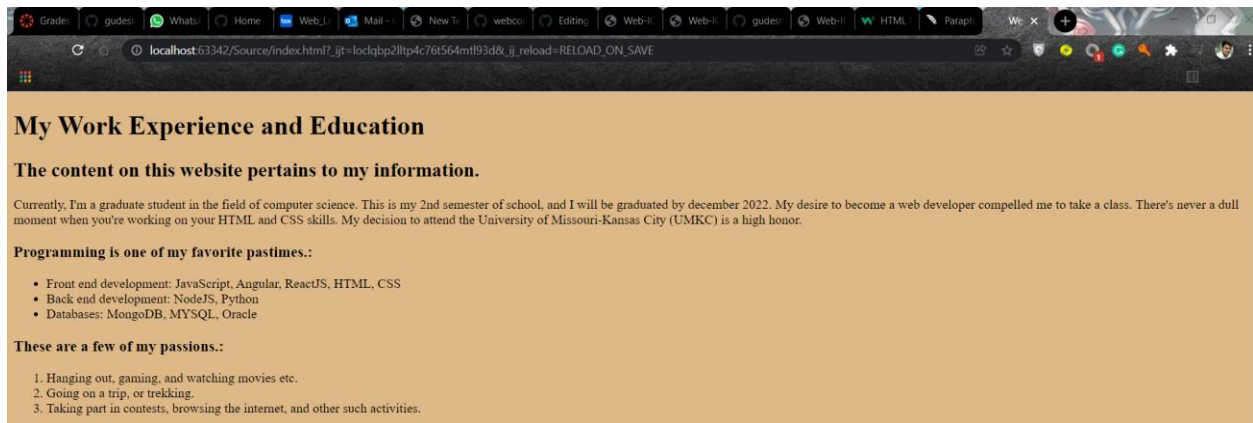
 Defines ordered list : it is used to list the elements in ordered list, I have used this tag for my hobbies to arrange in ordered list.

Code:

```
index.html x
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  <style>.myDiv {
5      border: 2px outset yellow;
6      background-color: lightblue;
7      text-align: center;
8  }</style>
9  <meta charset="UTF-8">
10 <meta name="viewport" content="width=device-width, initial-scale=1.0">
11 <title>Web-ICP2</title>
12 </head>
13 <body style="background-color: burlywood">
14 <!-- Heading -->
15 <h1>My Work Experience and Education</h1>
16 <h2> The content on this website pertains to my information.</h2>
17 <!-- Paragraph -->
18 <p>Currently, I'm a graduate student in the field of computer science.
19     This is my 2nd semester of school, and I will be graduated by december 2022.
20     My desire to become a web developer compelled me
21     to take a class. There's never a dull moment when you're working
22     on your HTML and CSS skills. My decision to attend the University
23     of Missouri-Kansas City (UMKC) is a high honor.</p>
24 <!-- Dots are added to each element in an unordered list.-->
25 <h3>Programming is one of my favorite pastimes.</h3>
26 <ul>
27     <li>Front end development: JavaScript, Angular, ReactJS, HTML, CSS</li>
28     <li>Back end development: NodeJS, Python</li>
29     <li>Databases: MongoDB, MYSQL, Oracle</li>
30 </ul>
```

```
<!-- An ordered list that assigns each element a unique number. -->
<h3>These are a few of my passions.</h3>
<ol>
    <li>Hanging out, gaming, and watching movies etc.</li>
    <li>Going on a trip, or trekking.</li>
    <li>Taking part in contests, browsing the internet, and other such activities.</li>
</ol>
<!-- Two divs and a span element are required. -->
<!-- I used span to code the div element in the paragraph tag. -->
```

Output:



In above screenshot output is displayed for above explained tags and for entire body background color is applied by using style class and using object as background-color and color burlywood.

Code:

```
<h3>Education</h3>
<div class="myDiv">
  <h2>Bachelors:</h2>
  <p>Jawaharlal Nehru Technological University - JNTUK</p>
  <p>completing my bachelor's degree <span style="color:blue; font-weight:bold">the most prestigious distinction</span> in 2017.</p>
</div>
<p>&nbsp;</p>
<div class="myDiv" style="background-color:lightcoral">
  <h2>Masters:</h2>
  <p>University Of Missouri Kansas City - UMKC</p>
  <p>Currently, my GPA is <span style="color:black; font-weight:bold">3.8</span> out of 4.0.</p>
</div>
<!-- Four or more items, both block-level and inline. -->
<!-- dl,dt,dd,hr,address are the block elements-->
<h3>Projects:</h3>
<dl>
  <dt>MaxieBot:</dt>
  <dd>answers user questions developed in a hackathon</dd>
  <dt>Correlation:</dt>
  <dd>To be developed in the hackathon</dd>
</dl>
```

Output:



In above screenshot output is displayed for below explained tags and for div tags back ground color is applied, inline text color is applied and for div tags styling separate css class is defined and used.

<div> Defines section of particular part in webpage, I have used this tag to define Education and used two div tags one is for Bachelors and other is Masters.

 Defines section in webpage and I have used this tag to style inline text with different color's.

Block Elements:

<dl> Defines description list , I have used this tag to describe about project contents.

<dt> Defines term/name of a description list followed by <dd>

<address> Defines contact information of document, I have used this tag to address between two link address.

<hr> Defines thematic change in the content.

Code:

```

<hr>
<address>
  <p>Visit my profile at Github: <a href="https://github.com/gudesrikanth">https://github.com/gudesrikanth</a></p>
  <p>Visit my profile at linkedin: <a href="https://www.linkedin.com/in/srikanthgude/">"https://www.linkedin.com/in/srikanthgude/"</a></p>
</address>

<!-- Inline Elements i,strong,b,abbr-->
<p>Above are <i>project samples</i> to my work. <strong>linkedin, Github</strong> profile <b>links</b> are attached for reference<b>PR</b>

<!-- Clickable images -->
<!-- Added clickable elements using anchor and image tags in html-->
<a href="https://github.com/gudesrikanth" target="_blank">
  
</a>
<a href="https://pbs.twimg.com/profile_images/806965899592810497/3TKBDp3W.jpg" target="_blank">
  
</a>
<hr>
<br/>

<!-- Video with limited controls -->
<!-- In order to add video with controls, I used "iframe" tag.-->
<p><img alt="video icon" data-bbox="138 345 155 355"/> This Video is about basics of java programming</h3>
<iframe src="https://www.youtube.com/embed/eIrNbAQSU34" height="240" width="320" title="Iframe Example"></iframe>

</body>
</html>

```

Output:

Visit my profile at Github: <https://github.com/gudesrikanth>

Visit my profile at linkedin: <https://www.linkedin.com/in/srikanthgude/>

Above are *project samples* to my work. **linkedin, Github** profile **links** are attached for reference **PR**



This Video is about basics of java programming



In above screenshot output is displayed for below tags:

 Defines line break, I have used this tag to single break between two lines.

<iframe> Defines inline frame, I have used this tag for video playing with controls.

Inline Elements:

<i> Defines to apply italic style to the text.

<a> Defines hyperlink, I have used this tag to define hyperlinks to redirect to respected link.

 Defines image source, I have used this tag to display images.

 Defines important text in paragraph.

Conclusion:

In this ICP2, we have learn how to use html tags and how to apply styles to various texts and sections in a webpage using css.