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GitHub link: https://github.com/Srinikhitha98/Web-Mobile-Dev-Spring-2022/tree/main/Web/ICP2

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GitHub link: https://github.com/sukumarbodapati/Web-Mobile-Spring-2022/tree/main/Web/ICP2

ICP2: Introduction to HTML and CSS

HTML and CSS are the core technologies in building the web pages and web applications.HTML is used to build the structure of the web page. CSS is used to style the view of the page like layout, color, fonts.

Features of HTML:

- **Internet Navigation:** This works on utilizing the hypertext. User can easily navigate through web pages and between websites as well, located on different servers.
- **Client -side storage:** Using HTML5, client -side storage is possible using local Storage and Index DB.
- **Offline capability usage:** The application can be modified when the user is disconnected using Application cache mechanism.
- **API's for enrich a website**: A large set of new APIs regarding file system, Geolocation, drag and drop, event handling, client-storage etc., are the capabilities that make usage of HTML5 easier than ever before.

Objective of ICP2: To create a web page which includes headings, paragraphs, inline & block elements, Clickable image which need to be redirected to a new page, YouTube video with controls.
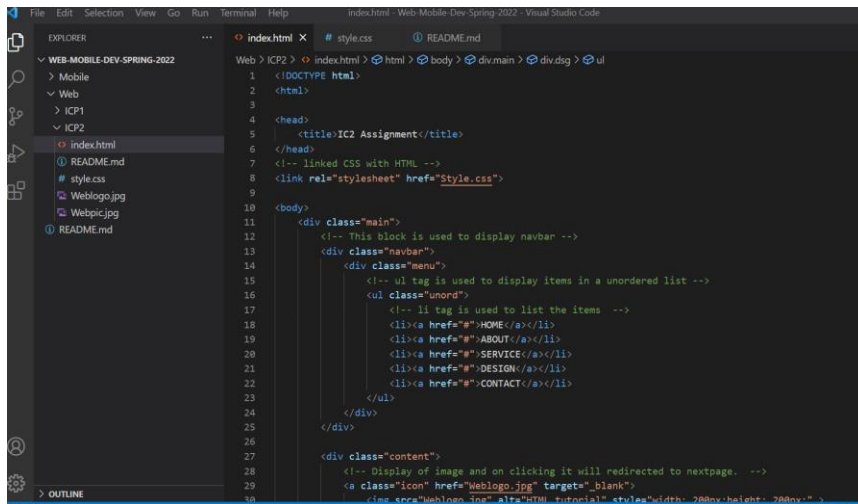
Theme: To design a web page which give details about the web development course.

Tasks:

1. Created a HTML document "index.html".
2. <!DOCTYPE html>: declared the document as HTML5 document
3. Added title of the page as "ICP2 Assignment" using <title></title> tag (which specifies the title of the page when we open it in browser).
4. Create a style.css sheet and linked externally to the index.html using link tag (<link rel =stylesheet" href ="Style.css">)
5. Created a Navigation bar using <div> tag and used unordered list for the elements in the navigation bar. is the tag used to display for the unordered list and <li> tag is used to list out the names of the elements.
6. Added a background image which cover the entire page using CSS commands like background, width, background-position, background-size, height.
7. Alignment of the navigation bar is done using margin, height and style the unordered list using list-style, font-size, hovering of elements, color.
8. Added image to the page using <a href= "image.png" target="_blank"> where <a> tag is used to link one page with another, href attribute indicates the destination link and target attribute specifies to open the linked document in new tab or new window.
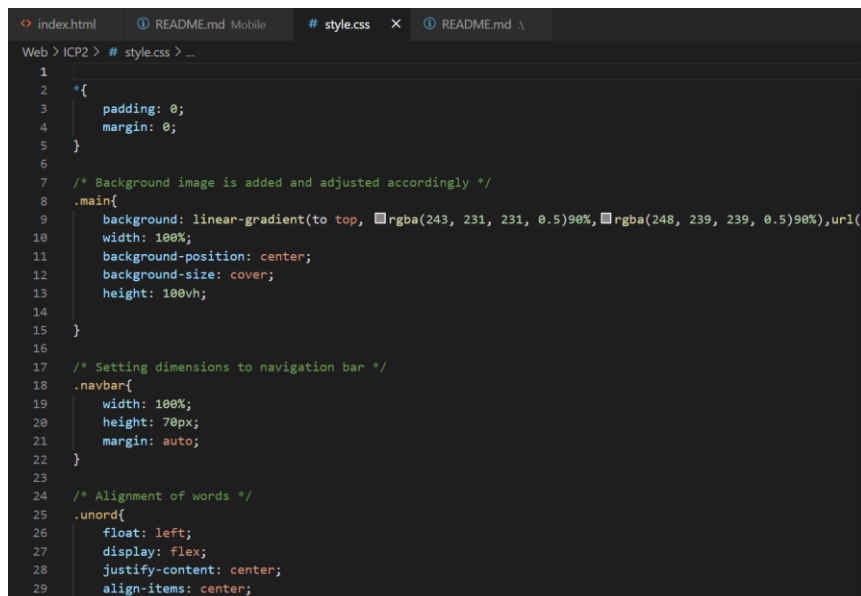
9. For specifying the heading of the page, used <h1> tag and implemented <span> tag.
10. For content of the webpage, used <p> tag and in order to adjust the text, added <br> points accordingly.
11. Created another block using <div> tag for displaying the ordered list. tag is used for ordered list and <li> tag is used for displaying the elements and highlighted main words with <span> tag.
12. Added YouTube video using <iframe> tag (HTML <iframe> tag specifies an inline frame. An inline frame is used to embed another document within the current HTML document.) and added controls for the video and adjusted the alignment using the CSS.
13. Created two blocks using <div> tag, one for the icons and other for text and aligned them in the positions respectively using CSS.
14. Added hovering for the icons (a: hover selector is used to select elements when you mouse over them).

HTML code:

CSS code:

Developed Web Page: