Objectives:

* What is Coloring System?
* What is a border and How to use is?
* what is after - before and how to use it?
* What is Ifreme and how/when to use?
* what is the difference between display: none, opacity: 0; and vidible:invisible?
* what is transform property and how to use it?
* what is shadow and gradient?
* what is new in CSS 3?
* how to use variables in CSS?
* what is calc()?
* what is (important, inheritance)?
* What are selectors in CSS?

Interviews Questions:

* What is Box-Model, explain in block and inline case.
* What is difference between inline and block elements, give me examples?
* What is the difference between **display: none** and **visibility: hidden** in CSS?
* What are the ::before and ::after pseudo-elements in CSS and how are they typically used?
* What is the purpose of the **transform** property in CSS?
* How do you apply a keyframe animation to an element and control its duration and timing?
* How do you create a box shadow using CSS?
* What is the difference between linear-gradient and radial-gradient in CSS?
* Can you provide an example of using a gradient as a background for an element?
* What are CSS custom properties (variables) and how are they defined and used?
* How can you provide a fallback value for a CSS variable?
* Can CSS variables be used within media queries? Provide an example.
* What is the **calc()** function in CSS, and when would you use it?
* Can you combine different units within the **calc()** function? Provide an example.
* What does the **!important** keyword do in CSS, and when should it be used?
* How does the child combinator (>) differ from the descendant combinator ( ) in CSS?
* Provide examples of how the adjacent sibling (+) and general sibling (~) combinators work.
* What is the difference between a class selector and an ID selector in CSS?
* How can you select an element with a specific attribute value in CSS?
* Explain the difference between the pseudo-classes **:hover**, **:focus**, and **:active**

self-study:

* HTML video – audio tags:
  + <https://www.w3schools.com/tags/tag_video.asp>
  + <https://developer.mozilla.org/en-US/docs/Web/HTML/Element/video>
* HTML Meta tags:
  + <https://www.w3schools.com/tags/tag_meta.asp>
  + <https://developer.mozilla.org/en-US/docs/Web/HTML/Element/meta>
* HTML title tag:
  + <https://developer.mozilla.org/en-US/docs/Web/HTML/Element/title>
  + <https://www.w3schools.com/tags/tag_title.asp>
* HTML- SVG –Canvas:
  + <https://www.w3schools.com/html/html5_svg.asp>
  + <https://developer.mozilla.org/en-US/docs/Web/SVG/Element/svg>
  + <https://www.w3schools.com/html/html5_canvas.asp>
  + <https://developer.mozilla.org/en-US/docs/Web/API/Canvas_API>
* HTML – iframe:
  + <https://www.w3schools.com/html/html_iframe.asp>
  + <https://developer.mozilla.org/en-US/docs/Web/HTML/Element/iframe>

Assignment:

* Refactor the previous Assignments:
  + <https://mahmoudzin.github.io/bakerysite/>
  + <https://mahmoudzin.github.io/FokirPortfolio/>
* Share a post on your profile in LinkedIn (if you don’t have one create one!) about one of the following topics:
  + What is the difference between HTML 4 and HTML 5?
    - What is HTML?
    - What is the difference between them?
    - What are the new things in HTML 5?
  + What is the difference between CSS and CSS3?
    - What is CSS?
    - What is the difference between them?
    - What are the new things in CSS3?
  + What are Title and Meta Tags, and what are their benefits for Search Engine Optimization?
    - Definition of Title Tag and Meta tags
    - Benefits of Title Tag and Meta tags for SEO
    - What is popular meta tags?
    - Best Practices for Writing Title and Meta Tags

Bonus:

* Try to change the style of inputs in focus state in your websites by using input: focus pseudo-class
* Try to add some animation to your websites, you can use ChatGPT, or google searching to help you.