Homework questions:

1. What is the box model in CSS? Which CSS properties are part of it?

The CSS box model is essentially a box that wraps around every HTML element. It consists of: margins, borders, padding, and the actual content with height and width.

1. Describe what a ‘reset.css’ file does and how it’s useful.

A CSS Reset (or “Reset CSS”) is a short, often compressed (minified) set of CSS rules that resets the styling of all HTML elements to a consistent baseline. Using a CSS Reset, you can force every browser to have all its styles reset to null, thus avoiding cross-browser differences as much as possible.

1. What are the various techniques for clearing floats?

The clear property can have one of the following values:

\*none - Allows floating elements on both sides. This is default

\*left - No floating elements allowed on the left side

\*right- No floating elements allowed on the right side

\*both - No floating elements allowed on either the left or the right side

\*inherit - The element inherits the clear value of its parent

1. Some accessibility concerns in CSS?

Because i’m using CSS not for long, i thought that is flawless. But, searching on the internet to answer that question, i found this site <https://css-tricks.com/hatin-web-tech/> and many others who speacks about issues with flexbox, grid layout, SVG and, of course, the browser compatibility.

1. Explain what’s going on in this CSS selector:
   1. [role=navigation] > ul a:not([href^=mailto]) {  
        
      }

This selects anchor links that are not email links that are decedents of an unordered list that is the direct child of any element with a role attribute of 'navigation'.

1. What do you understand by Virtual DOM? Explain its working.

Virtual DOM is a copy of HTML DOM. React creates a simple local copy of HTML DOM to operate on it – this copy is named the Virtual DOM. When we want to perform an operation or change a given text or element, React compares the old and new versions, and updates the real DOM only with what has actually changed.

This way the programmer doesn't have to focus on optimization that much because the library checks what changes are necessary on its own.