**HTML Related Questions**

1. I am aware of HTML5 semantic elements and can name them.
2. Explain how to check HTML markup validity.
3. Where EventTarget, Node, Element, HTMLElement, HTMLInputElement classes can be used.
4. Explain how methods matches and closest work.
5. Explain how to get, set, remove an attribute in the element, how to check whether an attribute exists in the element.
6. Explain the difference between element attributes and DOM properties.
7. I am aware of dataset element attribute.
8. Explain three ways to add handler to DOM event.
9. Describe three phases of DOM event propagation.
10. How to add event handler to the capturing phase?
11. Explain the difference between stopPropagation and stopImmediatePropagation event methods.
12. Explain two ways to prevent browser action on event.
13. Explain what event delegation is.
14. Explain how to dispatch custom event.
15. Explain the difference between DOMContentLoaded event and window load event.
16. Describe how async/defer attributes works at the <script> tag.
17. Describe XMLHttpRequest object.
18. Explain what cookie, localStorage, sessionStorage are.
19. Draw simple image by using <svg> element.
20. Difference between canvas and svg, where we can use them?

**Optional:**

1. Explain what DOM and CSSOM are.
2. What is <doctype>?
3. What is BOM. List global JS objects.
4. Explain what is BOM.
5. Explain the difference between innerHTML and outerHTML element properties.
6. I am aware of the <head> tag and know which tags it can contain.
7. Explain the difference between childNodes and children collections, parentNode and parentElement, firstChild and firstElementChild, nextSibling and nextElementSibling.
8. Explain how methods getElementById, getElementsByTagName, getElementsByClassName work.
9. Explain how methods querySelector and querySelectorAll work.
10. Explain what DOM event is and can name at least five events.

**CSS Related Questions**

1. Describe Document flow.
2. Explain at least 2 ways to center modal window horizontally and vertically.
3. Describe best practices of writing CSS.
4. What BEM means? Main structure elements, rules, and difference between each other.
5. OOCSS vs Atomic CSS vs BEM.
6. Fixed vs Adaptive design.
7. Alternative to flexbox and grid, how to make a template without them?
8. Explain floating.
9. Explain @media selector. Which data we can acquire, how it can be used.
10. Benefits of using preprocessors. What CSS preprocessor you prefer?
11. Explain CSS Specificity.
12. Explain how z-index property works.
13. Explain when and how to use display: grid.

CSS Methodologies:

1. Main rules of BEM methodology.
2. Block vs Element vs Modifier.
3. Why we need CSS methodologies?
4. OOCSS / Atomic CSS Choose one and explain basic concepts.

CSS Preprocessors:

1. Stylus vs LESS/SASS.
2. Benefits of using preprocessor?
3. Cons of using preprocessor?
4. LESS/SASS, choose one and list main features.
5. Red flags to use preprocessor instead of CSS.

**Optional:**

1. Explain basics of flexbox layout.
2. Describe CSS Box Model.
3. List main CSS units.
4. Explain margin collapsing.
5. Block vs inline elements.
6. Pseudo classes and pseudo selectors. What the difference?
7. Explain the three main ways to apply CSS styles to a web page.
8. Give an example of media query.
9. What selector “#container .block1.gray:hover:after” means?