* Understanding of css specificity and semantic markup. – UI Topic
* Understanding of Generic css classname + id’s declarations. UI Topic
* Understanding the component based approach to develop HTML structure which will fit best UI Topic
* Optimize / alter the component hierarchy which will meet as per AEM requirement UI Topic
* Build independent styles and functional logic which will be specific to component and should not be dependent on parent or siblings. UI Topic
* Identify the best fit JS templating as per requirement UI Topic
* Folder structure of component, js and style and its interdependency along with global and local segregation – AEM
* AEM local setup and other related accesses. – AEM
* CRX journey, merge and deployment process. – AEM
* Difference between VAR, LET & CONST – JS Topic
* Hoisting in JavaScript – JS Topic
* Difference between Call or Apply or Bind – JS Topic
* Object Reference? Difference between Shallow copy or Deep copy of object – JS Topic
* How to override VAR or Object? – JS Topic
* Basic Difference of synchronous & asynchronous in JavaScript – JS Topic
* How set timeout works in JS and call stack – JS Topic
* Call stack in JavaScript? – JSTopic
* CSS Specificity  - UI Topic
* Horizontal and Vertical Container<div> alignment - UI Topic
* How page loads in the browser when hitting the URL. - UI Topic
* Bootstrap Advantage - UI Topic
* Call Stack – JS Topic
* Event Loop – JS Topic
* Array Methods – JS Topic
* Pure & Impure Functions and side effects – JS Topic
* Difference querySelector() and querySelectorAll() – JS Topic
* SASS Features  - UI Topic
* Best Practices in CSS & JS
* Debugging JS Code – JS Topic
* Handling Errors in JS – JS Topic
* Webpage optimization. – UI Topic
* Babel Knowledge
* Web Servers

**Code Test Scenarios** – Please do not save JSFiddle as others might be working on the same

<https://jsfiddle.net/dvmz6nsL/5/>

<https://jsfiddle.net/fLqdjkrx/2/>

<https://jsfiddle.net/c7m209ad/1/>

<https://www.w3schools.com/css/css_specificity.asp>

https://www.edureka.co/blog/interview-questions/javascript-interview-questions/

https://medium.com/@vigowebs/frequently-asked-es6-interview-questions-and-answers-e3fb7f2dba2

https://babeljs.io/docs/en/learn/

<https://www.tutorialspoint.com/es6/es6_arrays.html>

HTML5 semantic elements example:

nav

header

article

section

footer

SEO - Search Engine Optimization

Angular and React

Every component will have it's own markup (HTML), styles (CSS) and logic (JS) isolated

Even if two components has to be linked, there is clear definition of what is expected, for example (end points / attributes)

<https://medium.com/@Rahulx1/understanding-event-loop-call-stack-event-job-queue-in-javascript-63dcd2c71ecd>

pure function:

function test(a, b){

return a+b;

}

test(1, 2);

impure function:

function test(a, b){

return a+b+Math.random();

}

test(1, 2);

<div class="a"></div>

<div class="a"></div>

document.getElementById('a');

document.querySelector('.a'); // returns first matching element

document.querySelectorAll('.a'); // returns all matching elements as an array

--------------------------------------------------------------------------------------------------

var add = function(x) {

                return function(y) { return x+y }

}

add(2)(3);

--------------------------------------------------------------------------------------------------

// Write a logic to alert() index of list items

document.querySelectorAll("ul li").forEach((element) => alert(element.innerHTML))

document.querySelectorAll("ul li").forEach((element, ind) => alert(ind))

--------------------------------------------------------------------------------------------------

console.log(students.filter(student => student.score >= 50));

console.log(students.filter(student => student.score === 60));