

DWA_12 Knowledge Check

To complete this Knowledge Check, ensure you have worked through all the lessons in **Module 12: Declarative Abstractions**.

To prepare for your session with your coach, please answer the following questions. Then download this document as a PDF and include it in the repository with your code.

1. What are the benefits of direct DOM mutations over replacing HTML?

Dealing with the DOM directly gives you better control so if there are complex interactions that need to happen that would be better.

Some external libraries require direct DOM mutations/manipulations to use the more advanced features.

2. What low-level noise do JavaScript frameworks abstract away?

JS Frameworks help reduce things like dealing with the DOM directly. There will be more “behind the curtain” kind of functionality so the code isn’t as messy or complicated.

Frameworks can come with built in polyfills so you don’t need to worry as much about whether your code will be supported on one browser or another.

3. What essence do JavaScript frameworks elevate?

JavaScript frameworks elevate the level of abstraction at which developers work. This allows them to build complex applications more efficiently, rather than getting bogged down in the lower-level details of DOM manipulation and cross-browser compatibility.

4. Very broadly speaking, how do most JS frameworks achieve abstraction?

They hide away the fiddly bits and unnecessary code with various tools, components and methods that do those bits for you. Basically, some other people (or potentially AI? Really not sure) spent the time and made the web components and abstraction so that the developer community at large didn't have to.

5. What is the most important part of learning a JS framework?

😊 ✨ 🌈 Having fun 😊 ✨ 🌈

No, actually understanding the underlying logic behind the framework is one of the most important parts. It's all fine and dandy until it breaks and you're back at square one, not knowing what's klapping and not even knowing the first line of questions to be asking.