

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?

You don't have to replace the entire DOM after every state change, but just specific aspects of it. This makes it faster and more efficient.

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

Generally dealing with the DOM, for example you will not need to employ the Document `querySelector()` method.

3. What essence do JavaScript frameworks elevate?

JavaScript frameworks provide the tools and structure in the form of a series of abstractions in order to make development work quicker and more streamlined.

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

Broadly speaking they abstract mutations, and it allows us to write our code in a functional way, with no side effects.

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

Instead of just using abstractions within frameworks, understanding how the abstractions used are actually constructed, so that when things go wrong, you have an understanding of how to debug. This will also provide you with an understanding of which framework to use for which project, as they all have different pros and cons and it is useful to understand these when applying them to different contexts.