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.

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

Performance boost
- When HTML is replaced, the browser has to reparse, rebuild the DOM, reload all the linked assets, re-execute scripts, and so on 3. This can be a time-consuming process, especially when dealing with large amounts of data.

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

Imperative updating of the DOM, keeping track of what elements need to change
- They provide a higher level of abstraction that allows developers to focus on the business logic of their applications rather than the underlying implementation details .

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3. What essence do JavaScript frameworks elevate?
- A key difference between a library and a framework is that a framework requires the developer to follow rules and conventions in order to work effectively

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4. Very broadly speaking, how do most JS frameworks achieve abstraction?
They hide away the imperative DOM mutations

- Abstraction in JavaScript can be achieved by inheritance and composition.

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

- Is to understand how to utilize it to accomplish routine tasks . Frameworks are pre-written collections of code that you can use as a foundation for the code that you write.