# DWA_12 Knowledge Check

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

_____

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

- JavaScript load faster than HTML, so using DOM mutation allows data/ information to be rendered quicker, improving the web performance and user experience.

_____

2. What low-level noise do JavaScript frameworks abstract away?
- JavaScript frameworks allow developers to work with the function directly without having to understand how the components that make up that work. This saves time.
- Frameworks allow the reusability of the code and not only your time but also provide developers with ready-to-use code that is encapsulated and has low chances of issues.

_____

3. What essence do JavaScript frameworks elevate?

- Efficiency and increase productivity - the pre-built components, libraries, and tools offer optimized solutions for common tasks, reducing the need to write the code repeatedly in increasing the development speed.
- Maintainability - It promotes clean code architecture and enforces best practices.
- User experience - Frameworks enable developers to create an interactive and dynamic web interface.

_____

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

- They use component-based architecture, where the UI elements are encapsulated into reusable and modular components. This allows developers to build complex user interfaces from smaller building blocks.

_____

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

- Understanding the core concepts and principles of a particular framework. A solid and strong foundation of a framework makes using it easy to use and effective to build applications. This includes learning how to use the framework correctly to enable a scalable and maintainable application.