

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?

- performance will be better because directly mutating the DOM will target specific items instead of re-rendering all the HTML content, If you do this rendering will be faster.

- responsiveness will be improved by updating specific elements the changes will happen instantly

- It will be easier to debug because one you can follow the logic of the state to figure out why that result is outputted.

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

- Frameworks abstract away the complexities of DOM manipulation.

- Frameworks abstract away the differences between browsers and device so you can write code across different browsers

3. What essence do JavaScript frameworks elevate?

They allow for

- better logic control
- Maintainability
- Structure by keeping ht code modular by hiding extra complexity
- performance (faster loading times on web browsers)

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

JavaScript frameworks achieve abstraction by hiding all the complex and low-level operations in encapsulation.

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

Having a good understanding of core concepts and principles like components and state management. Some frameworks have specific syntax and features but if you know the basic concepts you should be able to work with any framework.