FAQ

Module-5	
Question 1.	What is the relevance of using React in
	contemporary web development?
Answer	The React framework enables developers to construct
	interactive and efficientuser interfaces (UIs) with its
	component-based design, therefore facilitating the
	management and reusability of code.
Question 2.	What are the differences between JSX and
	ordinary JavaScript?
Answer	JSX is a syntactic extension of the JavaScript
	programming language that facilitates the creation of
	user interface (UI) components. It does this by
	providing developers with a syntax that closely
	matches HTML, hence enhancing the readability and
	intuitiveness of UI definition.
Question 3.	Why is the Virtual DOM often mentioned as an
	advantage of using React?

Answer The Virtual DOM may be described as a version of the Document ObjectModel (DOM) that exists in computer memory rather than being directly shown on the screen. In a React application, modifications are first applied tothe Virtual DOM. Subsequently, the Virtual DOM determines the most efficient strategy for updating the real DOM, resulting in enhanced and expedited updates. Question 4. In what ways does Node.js contribute to the creation of full-stackJavaScript applications? Answer Node.js facilitates the execution of JavaScript on the server-side, so enablingdevelopers to use a unified programming language for both frontend and backend development, hence enhancing the efficiency of the development workflow. Question 5. What role does Express.js play in the Node.js ecosystem? Express.js is a concise web application framework designed for use with Node.js. The use of Node.js facilitates the streamlining of many processes such as server configuration, route definition, and		
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efficiency and user-friendliness during the development
of backend applications.