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 efficient user 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?**
Answer	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

	middleware management, resulting in enhanced efficiency and user-friendliness during the development of backend applications.