Misconceptions

Module-5	
Misconception 1.	**React is a comprehensive framework that may be compared to otherframeworks such as Angular or Vue.**
Correct Explanation	React is mostly used as a software framework that facilitates the constructionof user interfaces, with a specific emphasis on the display layer. The integration of this tool with other tools facilitates the creation of a full development ecosystem.
Misconception 2.	**JSX is an essential need when it comes to composing React components.**
Correct Explanation	Although JSX enhances the ease of describing UI components, it is worthnoting that React has the capability to function without JSX by using conventional JavaScript.
Misconception 3.	**The Virtual DOM serves as a substitute for the actual DOM inside webbrowsers.**

Correct Explanation	The Virtual DOM may be seen as an abstraction, representing a lightweight replica of the real DOM. The purpose of this technology is not to substitute the actual Document Object Model (DOM), but rather to enhance the efficiency of the modifications performed on it.
Misconception 4.	**Node.js is a runtime environment that allows for the execution of JavaScript code outside of a web browser.**
Correct Explanation	Node.js is not considered a distinct programming language, but rather a runtime environment that facilitates the execution of JavaScript on the server side.
Misconception 5.	**Due to its widespread popularity, Express.js stands as the only framework available for Node.js.**
Correct Explanation	Express.js is widely recognised as one of the most extensively adopted frameworks for Node.js. However, it is important to note that other frameworks like as Koa, Hapi, and Sails also exist, each possessing distinct advantages and being suitable for certain scenarios.