## Tell us the differences between uncontrolled and controlled components.

Controlled components are React components that render a form input element and manage the state of that in changes to the input value through an onChange event handler, which updates the state with the new value. **On** are React components that render a form input element but don't manage the state of that input element. Instea internally using the DOM.

## How to validate React props using PropTypes?

React provides a package called prop-types that allows you to define the expected types and values of the props to catch errors and improve the stability and maintainability of your codebase.

## Tell us the difference between nodejs and express js.

Node.js is a JavaScript runtime that allows developers to write server-side code using JavaScript. It's built on top used by Google Chrome. Node.js provides an event-driven, non-blocking I/O model that makes it suitable for bu applications. Node.js comes with built-in modules that allow developers to handle various tasks such as file syste requests. on the other hand, Express.js, is a web application framework for Node.js. It provides a set of features applications and APIs using Node.js. Express.js builds on top of Node.js and adds more functionality, such as mid routing for mapping URLs to controllers, and template engines for rendering dynamic views.

## What is a custom hook, and why will you create a custom hook?

A custom hook in React is a function that encapsulates reusable logic that can be shared between different comp common functionality from your components and share it across your application. custom hooks are a powerful c cleaner, more reusable code. Custom hooks can make your component code more readable and concise by abstr implementation details.