Json-Server And Firebase Real Time Database

1) what do you mean by RESTful web services?
   - RESTful web services are a design pattern for interacting with resources on a server that are built to work well on the web.

2) What is Json-Server? How we use in React ?
   - By using a JSON file as a fake API in React JS, we can easily test our application without relying on a real API.

3) How do you fetch data from a Json-server API in React? Explain the role of fetch() or axios() in making API requests.
   - Fetching data from a JSON-server API in React can be achieved using either the fetch() API or a library like axios.

     Fetch(): A built-in browser API for making network requests. It returns a Promise that resolves to the Response object.

     Axios(): A popular third-party library for making HTTP requests. It simplifies the process and provides features like automatic JSON parsing, error handling, and request/response interception.

4) What is Firebase? What features does Firebase offer?
   - Firebase real-time database is a cloud-hosted NoSQL database. Firebase helps you launch your web apps without requiring you to set up any complex infrastructure.

5) Discuss the importance of handling errors and loading states when working with APIs in React.
   - we can handle loading states using state variables and conditional rendering. React error handling is important. Errors in React can be caused by many different issues. It could be network issues, an external API that's currently down, unexpected data inputs, or coding mistakes. Any of these could cause your app to crash, which we want to avoid at all costs