MTD Training MCQ

1. What is the primary use of the `map` function in JavaScript?

A. To filter an array based on a condition
B. To transform each element in an array and return a new array
C. To find the first element in an array that meets a condition
D. To remove duplicate values from an array

Answer: B

2. **In MongoDB, which command is used to retrieve data from a collection?**

A. `db.collection.insert()`
B. `db.collection.update()`
C. `db.collection.find()`
D. `db.collection.remove()`

Answer: C

3. **Which of the following is true about `useState` in React?**

A. It is used to manage global state in a React application.
B. It is a hook used to declare a state variable in a functional component.
C. It is used to fetch data from an API.
D. It is only used for class components.

Answer: B

4. **What is the purpose of the `CORS` middleware in an Express application?**

A. To enable real-time communication with the server
B. To allow or restrict resources based on the origin of the request
C. To handle database transactions
D. To compress HTTP responses for faster load times

Answer: B

5. **In JWT-based authentication, what information does the payload typically contain?**

A. The private key of the user
B. Information about the user (such as user ID or permissions)
C. The user's full password
D. An encrypted version of the server's IP address

Answer: B