Theoretical Questions:

1. Explain the purpose of the apply() method in JavaScript. How does it differ from call() method?

2. What is function binding in JavaScript? Describe the role of the bind() method in function binding.

3. What is local storage in web development? How does it differ from session storage?

4. Explain the role of the setItem(), getItem(), removeItem(), and clear() methods in working with local storage.

Coding Questions:

Using apply():

1. Write a JavaScript function that finds the maximum element in an array using the apply() method.

Using bind():

1. Create a function named greet that takes a name parameter and prints a greeting message. Then use the bind() method to create a new function called greetJohn that always greets "John".

Using Local Storage:

1. Write JavaScript code to store user preferences (e.g., theme color, font size) using local storage. Implement functions to set, get, remove, and clear these preferences.

Using Local Storage in a ToDo List:

1. Create a simple ToDo list application using HTML, CSS, and JavaScript. Utilize local storage to persist the ToDo list items even after the page reloads. Implement functionality to add, delete, and mark items as completed.

Error Handling with Local Storage:

1. Modify the previous ToDo list application to handle errors that might occur when accessing local storage. Implement try-catch blocks to gracefully handle exceptions.