**Week 7: Asynchronous JavaScript**

1. **What is asynchronous programming?**
   * Code that can execute without blocking the main thread.
2. **What does setTimeout do?**
   * Executes a function after a specified delay.
3. **What is a Promise?**
   * An object representing the eventual completion or failure of an asynchronous operation.
4. **How do you handle a resolved Promise?**
   * Using the .then() method.
5. **What does async do in JavaScript?**
   * Declares an asynchronous function.
6. **What is the purpose of await?**
   * Pauses execution until the Promise is resolved.
7. **How do you make a GET request using the Fetch API?**
   * fetch(url).then(response => response.json()).
8. **What is the difference between setTimeout and setInterval?**
   * setTimeout runs once; setInterval runs repeatedly.
9. **What is the purpose of error handling in Promises?**
   * To catch and manage errors that occur during asynchronous operations.
10. **What does Promise.all() do?**
    * Waits for all Promises to resolve and returns their results.