

Variables and Data Types

- Critical for storing and manipulating data in Node.js applications
- Understanding `const` vs `let` is crucial for managing state

Template Literals

- Used extensively in Express for string manipulation
- Helpful when building HTML templates or API responses

Arrays and Array Methods

- Essential for handling lists of data from MongoDB
- Methods like `map`, `filter`, and `reduce` are used frequently in data processing

Objects

- MongoDB documents are stored as objects
- Object destructuring is common in Express route handlers

Functions

- Arrow functions are used extensively in Express middleware
- Callbacks are fundamental to Node.js's async nature

Promises and Async/Await

- Critical for handling MongoDB operations
- Essential for managing asynchronous operations in Node.js

Modules

- Node.js is built around the module system
- Important for organizing Express applications

Error Handling

- Crucial for building robust Express applications
- Important for handling MongoDB operation failures

Classes

- Useful for creating models in MongoDB
- Helpful for organizing business logic

Callback Pattern

- Traditional Node.js pattern
- Important to understand even though modern code uses Promises

Destructuring

- Commonly used with MongoDB documents
- Helpful in Express route parameters

Map and Set

- Useful for managing unique values and key-value pairs
- Helpful in caching and data management