Node.js Cheatsheet

Quick Reference Guide

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1. Basic Commands

- `node -v`: Check Node.js version
- `npm -v`: Check npm version
- `node file.js`: Run a Node.js file

2. Modules

- `require('module')`: Import a module
- `module.exports = value`: Export a module

3. npm Commands

- `npm init`: Initialize a new project
- `npm install package`: Install a package
- `npm update`: Update all packages

4. File System

- `fs.readFile(path, callback)`: Read a file
- `fs.writeFile(path, data, callback)`: Write to a file

5. HTTP Server

- `http.createServer(callback)`: Create a server
- `server.listen(port)`: Listen on a port

6. Express.js Basics

- `const express = require('express')`: Import Express
- `const app = express()`: Create an Express app
- `app.get('/', callback)`: Define a GET route

7. Asynchronous Patterns

- `callback`: Traditional async pattern
- `Promise`: Modern async pattern
- `async/await`: Syntactic sugar for Promises

8. Environment Variables

- `process.env.VAR_NAME`: Access environment variable
- `dotenv`: Load environment variables from a .env file

9. Debugging

- `node inspect file.js`: Start debugging
- `node --inspect-brk file.js`: Debug with Chrome DevTools