NODE.JS ASYNCHRONOUS PROGRAMMING

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Topics

- ☐ Async / Await Programming

- ☐ Promises

Async/Await Programming

- See examples/nodejs/asyncawait/2_readfile_asyncawait

- The **await** operator expects a promise object

- Functions using the await operator must be marked **async**

- Functions marked **async** implicitly return a promise object

- The await operator can be used only in a function, not generally in "top-level" code

Promises

□ A promise is an object that represents a computation that has started and may complete in the future

□ Promise objects have .then( ) and .catch( ) methods that register functions to be invoked on success and failure

□ See examples/nodejs/asyncawait/3_readfile_promise

Creating Asynchronous Functions

- Three approaches:
    - Receive a callback (no **async** keyword)
    - Return a Promise (no **async** keyword)
    - Mark **async**

Further Reading

□ https://www.sitepoint.com/overview-javascript-promises/