

✓ **Congratulations! You passed!**

Grade
received **100%**

Latest Submission
Grade 100%

To pass 70% or
higher

Go to next item

You increased your skill scores!

Computer Programming Tools

Your score: **35** (↑3) **Conversant**

Keep going! At a conversant level, you have familiarity with the vocabulary and are able to pass easy content.



Web Development Your score: **232** (↑3) **Intermediate**

Well done! At an intermediate level, you have a solid understanding of the material and are able to pass intermediate content. You can apply key concepts on most tasks.



1. Which of the following is a back-end technology?

1 / 1 point

- ☐ Browser
- ☐ CSS
- ☐ HTML
- ☒ Web API

✓ **Correct**

A web API is a back-end technology.

2. What quality makes it possible for you to run JavaScript applications without compiling?

1 / 1 point

- ☐ You can use a text editor to develop JavaScript applications.
- ☒ JavaScript is an interpreted language.
- ☐ All modern browsers support JavaScript.
- ☐ The language syntax resembles Java.

✓ **Correct**

JavaScript is an interpreted language, and you do not need to compile JavaScript applications before running them.

3. Which of the following applications intercepts the call when JavaScript sends a web service request to the Node.js server?

1 / 1 point

- ☒ REST Web Service
- ☐ JSON
- ☐ Enterprise Java
- ☐ CSS

✓ **Correct**

On the server, a Representational State Transfer (REST) web service intercepts the call.

4. Which of the following is a difference between ES and CommonJS modules?

1 / 1 point

- ☐ CommonJS is a JavaScript language whereas ES is a module specification
- ☐ CommonJS module files use a .mjs extension whereas ES modules use .js
- ☐ CommonJS modules are written in JavaScript whereas ES modules are not
- ☒ ES modules use the import() statement whereas CommonJS modules use require().

✓ **Correct**

ES modules use the import() statement whereas CommonJS modules use require().

5. How do you handle operation results with Node.js?

1 / 1 point

- ☒ Write callback functions to handle results when the operations complete

- ☐ Use blocking on asynchronous I/O operations
- ☐ Create an instance of a web server application
- ☐ Specify a relative path to the Node.js script from the module directory

✓ **Correct**

Instead of blocking on I/O operations, you write asynchronous callback functions to handle results when they complete.



6. What do you use the `http.createServer` function for?

1 / 1 point

- ☐ To develop an anonymous function to handle requests and responses
- ☐ To import a Node.js module
- ☒ To create an instance of a web server
- ☐ To specify a main script for your module

✓ **Correct**

You use the `http.createServer` function to create an instance of a web server application.

7. Which core Node.js module can be used for input and output (I/O)?

1 / 1 point

- ☐ URL
- ☐ util
- ☐ http
- ☒ fs

✓ **Correct**

The `fs` module is used to read and write from external sources.



8. Which is an aspect of Node Package Manager (NPM)?

1 / 1 point

- ☐ It creates a `package.json` file in the project's root directory
- ☐ It manages the versioning of source code
- ☐ It writes metadata to a `package.json` file
- ☒ It functions as a command line interface for installing packages

✓ **Correct**

NPM functions as a command line interface for installing packages.

9. What do you use the `require` function for?

1 / 1 point

- ☐ To develop an anonymous function to handle requests and responses
- ☒ To import a Node.js module
- ☐ To create an instance of a web server
- ☐ To specify a main script for your module

✓ **Correct**

You can use the `require` function to import a Node.js module.



10. What happens when a module does not have a `package.json` file?

1 / 1 point

- ☐ The `require` statement assumes that scripts have a file extension of `.js`.
- ☒ Node.js assumes that the main class is named `index.js`.
- ☐ There is no module manifest.
- ☐ The relative path to the Node.js script changes to an absolute path from the module directory.

✓ **Correct**

If a module does not have a `package.json` file, Node.js assumes that the main class is named `index.js`.

