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Module 1 Graded Quiz

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Graded Quiz due Dec 9, 2023 22:09 IST Completed

Question 1

1/1 point (graded)

Which of the following is a back-end technology?

☐ CSS

☒ Web API

☐ HTML

☐ Browser



Answer

Correct: A web API is a back-end technology.

Submit

You have used 1 of 2 attempts

Question 2

1/1 point (graded)

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

☐ You can use a text editor to develop JavaScript applications.

☐ The language syntax resembles Java.

☒ JavaScript is an interpreted language.

☐ All modern browsers support JavaScript.



Answer

Correct:

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

Submit

You have used 2 of 2 attempts

Question 3

1/1 point (graded)

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

☐ CSS

☒ REST Web Service

☐ Enterprise Java

☐ JSON

**Answer**

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

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You have used 2 of 2 attempts

Question 4

1/1 point (graded)

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

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

**Answer**

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

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You have used 1 of 2 attempts

Question 5

1/1 point (graded)

How do you handle operation results with Node.js?

- ☐ Specify a relative path to the Node.js script from the module directory.
- ☐ Create an instance of a web server application.
- ☒ Write callback functions to handle results when the operations complete.
- ☐ Use blocking on asynchronous I/O operations.

**Answer**

Correct:

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

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Question 6

1/1 point (graded)

What do you use the http.createServer function for?

- ☐ To develop an anonymous function to handle requests and responses
- ☒ To create an instance of a web server

☐ To specify a main script for your module

☐ To import a Node.js module

**Answer**

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

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You have used 2 of 2 attempts

Question 7

1/1 point (graded)

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

☐ URL

☐ http

☐ util

☒ fs

**Answer**

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

Submit

You have used 1 of 2 attempts

Question 8

1/1 point (graded)

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

☐ It manages the versioning of source code.

☒ It functions as a command line interface for installing packages.

☐ It creates a `package.json` file in the project's root directory.

☐ It writes metadata to a `package.json` file.

**Answer**

Correct: NPM functions as a command line interface for installing packages.

Submit

You have used 2 of 2 attempts

Question 9

1/1 point (graded)

What do you use the `require` function for?

☐ To develop an anonymous function to handle requests and responses

- ☒ To import a Node.js module
- ☐ To specify a main script for your module
- ☐ To create an instance of a web server

**Answer**

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

Submit

You have used 1 of 2 attempts

Question 10

1/1 point (graded)

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

- ☐ The relative path to the Node.js script changes to an absolute path from the module directory.
- ☐ 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.

**Answer**

Correct:

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

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