

Quiz

1. What is Node.js primarily Used for?

- ☐ Developing web applications focused on input/output operations
- ☐ Running system operations
- ☐ Managing databases
- ☐ Creating desktop applications

2. What is the fundamental concept of the Node.js processing model?

- ☐ Data Encryption Mechanisms
- ☐ Asynchronous model and Non-blocking I/O operations
- ☐ Multi-threaded Programming Paradigm
- ☐ Synchronous model and Blocking I/O operations

3. What is Node.js Server?

- ☐ A backend platform that stores data
- ☐ A server-side platform that only receives client requests
- ☐ A server-side platform that receives client requests, processes them, and sends responses back to clients
- ☐ A client-side platform that processes client responses

4. What kind of requests are processed by the Event Loop in the given architecture?

- ☐ Blocking requests
- ☐ User authentication requests
- ☐ Internal requests
- ☐ Non-blocking requests

5. What is the event loop in Node.js architecture?

- ☐ A pool of threads for carrying out tasks
- ☐ An indefinite loop for receiving, processing and returning client responses
- ☐ Resources used for blocking client requests
- ☐ An external resource used for data storage

6. What is npm-init?

- ☐ central repository of packages
- ☐ package manager for Node.js applications
- ☐ command-line utility used to create a package.json file
- ☐ tool for installing and uninstalling packages

7. What command is used to initialize a new or existing npm package?

- ☐ npm init
- ☐ npm create
- ☐ npm config
- ☐ npm install

8. What is ESM?

- ☐ An open-source ORM tool
- ☐ standardized module system for JavaScript
- ☐ CSS preprocessor language
- ☐ browser testing framework

9. What command is used to install a package from the npm registry?

- ☐ npm install
- ☐ cd
- ☐ git clone
- ☐ rm

10. How do you save a package as a dependency of your project using npm?

- ☐ npm install --save package_name
- ☐ npm -s package_name install
- ☐ npm install package_name --save
- ☐ npm install for_dep package_name

11. What command is used to uninstall a package from a Node.js project using npm?

- ☐ npm install
- ☐ npm update
- ☐ npm uninstall
- ☐ npm clean

12. What are the two categories of metadata information in the package.json file?

- ☐ Frontend and Backend development
- ☐ Identifying and functional metadata properties
- ☐ JavaScript and CSS files
- ☐ npm install and npm start commands

13. What is the purpose of including a package.json file in a Node project?

- ☐ To create a demo file
- ☐ To write directly to a file
- ☐ To specify project information, dependencies, and scripts
- ☐ To include Node modules

14. What is the purpose of the 'main' key in a package.json file?

- ☐ It specifies the author of the application.
- ☐ It specifies the name of the application.
- ☐ It specifies the version of the application
- ☐ It specifies the main file of the application that triggers when the application starts.

15. Which key-value pair specifies the third-party packages or modules of an application?

- ☐ keywords
- ☐ dependencies
- ☐ devDependencies
- ☐ repository

16. What does the path.basename() method do?

- ☐ Returns the last portion of a specified path
- ☐ Returns the directory name of a specified path
- ☐ Checks if the specified path is absolute
- ☐ Returns the extension of the path

17. What does the path.extname() method do?

- ☐ Returns the directory name of a path
- ☐ returns if the specified path is absolute
- ☐ Returns the extension of a path
- ☐ Returns the last portion of a path

18. What does the path.dirname() method do?

- ☐ Returns the extension of a path
- ☐ Returns the directory name of a path
- ☐ Returns the last portion of a path
- ☐ Checks if the specified path is absolute

19. What does the path.resolve() method return when no argument is passed?

- ☐ Parent directory
- ☐ Current working directory
- ☐ Empty string
- ☐ Root directory

20. The path.normalize() method resolves the '.' and '..' segments in a specified path.

- ☐ True
- ☐ False