NodeJS & ExpressJS (6th weekly test)

Points: 23/40   Time: 16:53

1. Write your name *

ROSHNI VERMA

2. Select your location *

◯ NSTI Calicut

◯ NSTI Howrah

◉ NSTI Kolkata

◯ NSTI Vidyanagar

✓ **Correct**   1/1 Points

3. Which of the following is used to interact with MySQL in Node.js?

◯ mysql

○ sequelize

○ knex

◉ all of the above

✕ **Incorrect**   0/1 Points

4. Which core module provides functionality for working with paths and file directories in Node.js?

◉ http

○ fs

○ path

○ url

✕ **Incorrect**   0/1 Points

5. What does the npm install --save command do when installing a package?

○ It installs the package globally.

◉ It saves the package as a development dependency in the package.json file.

○ It installs the package as a production dependency in the package.json file.

○ It removes the package from the project.

✓ **Correct**   1/1 Points

6. Which of the following is used to create file uploading services in Node.js?

○ Multer

○ formidable

○ busboy

○ all of the above

✓ **Correct** 1/1 Points

7. Which core feature of Express.js simplifies the creation of web routes and handling of HTTP requests and responses?

○ Middleware

○ Promises

○ Templates

○ Cookies

✓ **Correct** 1/1 Points

8. What HTTP methods are commonly used in RESTful APIs to perform CRUD (Create, Read, Update, Delete) operations on resources?

○ GET, POST, PUT, DELETEB.

○ CREATE, FETCH, MODIFY, DELETEC.

○ READ, WRITE, UPDATE, REMOVED.

○ REQUEST, RECEIVE, UPDATE, REMOVE

✓ **Correct**   1/1 Points

9. Which of the following is used to handle errors in Node.js?

○ try/catch

○ throw

○ assert

◉ all of the above

✕ **Incorrect**   0/1 Points

10. In Visual Studio Code, what extension is commonly used for debugging Node.js applications?

○ Node Debug

◉ Express Debugger

○ Mocha Test Runner

○ NPM Task Runner

✓ **Correct**   1/1 Points

11. Which of the following is used to send email in Node.js?

◉ nodemailer

○ email.js

○ sendmail

○ all of the above

✕ **Incorrect**   0/1 Points

12. What is the purpose of the package.json file in a Node.js project?

○ To store HTML templates

◉ To define API routes

○ To specify project metadata, dependencies, and scripts

○ To manage database migrations

✓ **Correct**   1/1 Points

13. Which statements is correct about mongoose in MongoDB ?

○ it is Java library to connect with MongoDB

◉ It is used for modeling your application data in node.js

○ It is Python library to connect with MongoDB

○ It is a PHP library to connect with MongoDB

✕ **Incorrect**   0/1 Points

14. Which of the following is used to manage asynchronous operations in Node.js?

○ callbacks

○ promises

◉ async/await

○ all of the above

✓ **Correct**   1/1 Points

15. Which of the following is used to interact with MongoDB in Node.js?

◉ mongoose

○ sequelize

○ knex

○ all of the above

✓ **Correct**   1/1 Points

16. How is a WebSocket different from a traditional HTTP request in Node.js?

○ WebSockets use a different port number for communication.

○ WebSockets are unidirectional, while HTTP is bidirectional.

◉ WebSockets provide full-duplex communication, allowing both the client and server to send data at any time.

○ WebSockets are a deprecated technology.

✕ **Incorrect**   0/1 Points

17. Which of the following is used to create package managers in Node.js?

◉ npm

○ Yarn

○ pnpm

○ all of the above

✓ **Correct**   1/1 Points

18. In Node.js, what is the typical way to establish a connection to a MySQL database using the mysql module?

○ By calling the mysql.connect() method.

○ By specifying the database connection details in a JavaScript file.

◉ By using the mysql.createConnection() method and passing connection options.

○ By defining a new MySQL class

✓ **Correct**   1/1 Points

19. What is the primary purpose of testing in Node.js development?

○ To create HTML templates

○ To identify and fix bugs and errors in the application code

○ To handle database migrations

○ To optimize network connections

✓ **Correct**   1/1 Points

20. In the context of Node.js performance, what is "caching"?

○ A method for managing hardware devices

◉ Storing frequently accessed data in memory to reduce redundant computations and speed up responses

○ The process of creating static HTML templates

○ A type of routing strategy

✓ **Correct**   1/1 Points

21. Which of the following is used to create error handling frameworks in Node.js?

◉ Express.js error handling middleware

○ domain module

○ Node.js assert module

○ all of the above

✗ **Incorrect**   0/1 Points

22. What is Mongoose in the context of Node.js and MongoDB?

○ A type of fruit

○ A popular template engine

○ An ORM library for MongoDB

◉ A built-in MongoDB module

✓ **Correct**   1/1 Points

23. What is the purpose of using comments in Node.js code?

○ To hide code from other developers

○ To provide additional security

◉ To explain the code's functionality, logic, and usage

○ To create HTML templates

✓ **Correct**   1/1 Points

24. In MongoDB, what is a document in the context of database connectivity?

○ A physical data storage unit

○ A structured query language

◉ A JSON-like data structure used to store and retrieve data

○ A client-side JavaScript file

25. What is Express.js commonly used for in web development?

○ Real-time event handling

○ Front-end design

● Building web applications, RESTful APIs, and server-side applications

○ Database management

26. In which format MongoDB represents document structure?

○ BSON

○ .txt

● .Docx

○ None of these

27. The Node.js modules can be exposed using

○ module.expose

○ module

● module.exports

○ none of the above

28. What is the purpose of "promises" in Node.js development, and how do they differ from callbacks?

○ Promises are used for debugging code, and they are interchangeable with callbacks.

◉ Promises are a way to handle asynchronous operations in a more readable and structured manner compared to callbacks.

○ Promises are a type of callback.

○ Promises are used for caching data.

29. In Express.js, what is the purpose of the app.use() method when defining middleware for routing?

○ To define static file serving

◉ To define error-handling middleware

○ To specify route handlers for all routes

○ To establish network connections

30. Which platform is Node.js built on top of?

○ .NET

○ Java

⦿ V8 JavaScript engine

○ Ruby on Rails

✓ **Correct**   1/1 Points

31. which field is always the first field in the document.?

⦿ _id

○ Ob_id

○ id

○ None of these

✕ **Incorrect**   0/1 Points

32. What is the purpose of the app.use() method in Express.js?

⦿ To define API routes

○ To create HTML templates

○ All of the above

○ None of these

✕ **Incorrect**   0/1 Points

33. How do you include a module in a Node.js file?

○ By declaring it as a global variable

○ By using the import statement

○ By using the require function

○ By copying and pasting the module's code

✕ **Incorrect** 0/1 Points

34. What is a common use case for npm scripts in a Node.js project?

○ A. Handling database connections

◉ Defining routing for web applications

○ Creating HTML templates

○ None of these

✕ **Incorrect** 0/1 Points

35. Which Node.js module is commonly used for connecting to MongoDB databases?

○ mongo

○ mysql

○ mongodb

◉ mongoose

36. What is an Object-Relational Mapping (ORM) library used for in Node.js and database connectivity?

  ○ To create static HTML templates

  ○ To manage hardware devices

  ● To provide an abstraction layer that simplifies database operations by mapping data-base entities to JavaScript objects

  ○ To establish network connections

37. Which of the following is true about process global object?

  ○ The process object is an instance of EventEmitter.

  ○ process emits exit event when process is about to exit.

  ● process emits uncaughtException when when an exception bubbles all the way back to the event loop.

  ○ All of the above

38. Which of the following is used to create HTTP servers in Node.js?

  ○ http

○ express

○ koa

○ all of the above

✓ **Correct** 1/1 Points

39. What is authorization in Node.js?

○ A JavaScript library

◉ The process of granting or denying access to specific resources or actions based on the authenticated user's permissions

○ A method for encrypting data

○ A type of middleware

✕ **Incorrect** 0/1 Points

40. Which method of fs module is used to delete a file?

◉ fs.delete(fd, len, callback)

○ fs.remove(fd, len, callback)

○ fs.unlink(path, callback)

○ None of the above.

✕ **Incorrect** 0/1 Points

41. What is the primary benefit of using route parameters in Express.js routing?

- (●) They provide a way to hide sensitive information in URLs.

- (○) They allow for dynamic routing based on values captured from the URL.

- (○) They simplify the creation of HTML templates.

- (○) They are used for error handling.

✓ **Correct**   **1/1 Points**

42. What is the purpose of the "node_modules" directory in a Node.js project?

- (○) To store backup copies of the application code

- (○) To contain built-in Node.js modules

- (●) To store third-party packages and libraries installed via npm

- (○) To host the application's database

Keep the information with you by saving your response.

Save my response