NodeJS & ExpressJS (6th weekly test)

# Points: 23/40 Time: 16:53

1. Write your name \*

ROSHNI VERMA

1. Select your location \*

NSTI Calicut

NSTI Howrah

NSTI Kolkata

NSTI Vidyanagar

**Correct** 1/1 Points

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

mysql

sequelize

knex

all of the above

**Incorrect** 0/1 Points

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

http

fs

path

url

**Incorrect** 0/1 Points

1. 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

1. 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

1. 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

1. 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

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

try/catch

throw

assert

all of the above

**Incorrect** 0/1 Points

1. 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

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

nodemailer

email.js

sendmail

all of the above

**Incorrect** 0/1 Points

1. 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

1. 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

1. 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

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

mongoose

sequelize

knex

all of the above

**Correct** 1/1 Points

1. 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

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

npm

Yarn

pnpm

all of the above

**Correct** 1/1 Points

1. 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

1. 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

1. 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

* 1. type of routing strategy

**Correct** 1/1 Points

1. 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

1. What is Mongoose in the context of Node.js and MongoDB?
   1. type of fruit

A popular template engine

An ORM library for MongoDB

A built-in MongoDB module

**Correct** 1/1 Points

1. 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

1. In MongoDB, what is a document in the context of database connectivity?
   1. physical data storage unit

A structured query language

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

A client-side JavaScript file

**Correct** 1/1 Points

1. 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

**Incorrect** 0/1 Points

1. In which format MongoDB represents document structure?

BSON

.txt

.Docx

None of these

**Correct** 1/1 Points

1. The Node.js modules can be exposed using

module.expose

module

module.exports

none of the above

**Correct** 1/1 Points

1. 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.

**Incorrect** 0/1 Points

1. 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

**Correct** 1/1 Points

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

.NET

Java

V8 JavaScript engine

Ruby on Rails

**Correct** 1/1 Points

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

\_id Ob\_id

id

None of these

**Incorrect** 0/1 Points

1. 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

1. 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

1. What is a common use case for npm scripts in a Node.js project?
   1. Handling database connections

Defining routing for web applications

Creating HTML templates

None of these

**Incorrect** 0/1 Points

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

mongo

mysql

mongodb

mongoose

**Correct** 1/1 Points

1. 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 database entities to JavaScript objects

To establish network connections

**Incorrect** 0/1 Points

1. 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

**Incorrect** 0/1 Points

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

http

express

koa

all of the above

**Correct** 1/1 Points

1. 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

* 1. method for encrypting data

A type of middleware

**Incorrect** 0/1 Points

1. 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

1. 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

1. 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**



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