

Node Course Test Question Answers

NodeJS MongoDB Express Beginner to Intermediate JavaScript

NodeJS Express MongoDB connected together to update database content from Frontend Web Application using JavaScript

Section #1

#1 What differentiates NodeJS and JavaScript? **C both of the above**

#2 Which is true about NodeJS? **D All of the Above**

#3 What makes NodeJS scalable? **B Server can respond in a non-blocking way using the event mechanism**

#4 What are the types of API functions in NodeJS? **A Asynchronous, non-blocking functions and Synchronous, blocking functions**

#5 How do you enter the REPL environment within your terminal? **B Type node**

#6 What will be output in the terminal when you type? **A hi /usr/local/bin/nodeSvekis**

#7 What does the -g flag represent? **A -g is the global install flag**

#8 Which line of code will show the following in the terminal? **A console.table([a:1,b:2},{a:5,b:10});**

#9 To install Nodemon globally, what is the syntax using npm? **A sudo npm install -g nodemon**

#10 What will the below code do? What will be output into the console? **A values 0 to 10**

Section #2

#1 Which of the below are JavaScript Data Types?

- **Number**
- **String**
- **Boolean**
- **Object**

Test Questions Based on course at <https://www.udemy.com/course/nodejs-mongodb-express>
More Courses content and answers <https://basescripts.com/> Laurence Svekis

- **Undefined**

#2 What is === operator? A **Strict equality operator both operands must have the same value without having to convert the datatype.**

#3 Which of the below are loop structures in JavaScript.

- **for loop**
- **while loop**
- **Do-While Loops**

#4 What is the result of this statement `7 * 2 + 10 - 1 + "1" + 0`?

- **"2310"**

#5 What would you see as the value when a variable used in the code doesn't exist? A **undefined**

#6 List 2 ways to return an object value. `myObj[0]`

- **myObj.name**
- **myObj["name"]**

#7 This method removes the last element from an array and returns the value

- **pop()**

#8 This method adds a new element to the end of an array

- **push()**

#9 This method removes the first array element

- **shift()**

#10 This method adds a new element to the start of an array

- **unshift()**

#11 How would you get each key next to each value from this object in the console?

- **for (key in myObj){ console.log(key,myObj[key]); }**

#12 Create a function to return a random number with parameters of min and max as arguments in the function.

- **function ranNum(min,max){ return math.floor(Math.random()*max)+min; }**

#13 What is a promise in JavaScript

- **Promise object represents the eventual completion (or failure) of an asynchronous operation and its resulting value.**

Test Questions Based on course at <https://www.udemy.com/course/nodejs-mongodb-express>

More Courses content and answers <https://basescripts.com/> Laurence Svekis

#14 Which keywords are used to handle exceptions in JavaScript?

- **Try, Catch, Finally**

#15 Which loop structure will run the block at least once?

- **do...while loop**

Section #3

#1 How does NodeJS work?

- **Node.js works on the Google v8**

#2 Is Node a Single Thread process

- **True**

#3 Typically what is the first Argument passed to a NodeJS callback handler?

- **Error**

#4 What is REPL (READ, EVAL, PRINT, LOOP) used for?

- **easy creation of Command Line Interface applications.**

#5 What order will the output be in the console?

- **1 3 2**

#6 What order will the output be in the console?

- **None of the above**

#7 What does the event loop do?

- **Allows NodeJS to perform non-blocking I/O operations**

#8 What does the event loop solve?

- **Node.js overcomes the problem of blocking of I/O operations by using the event loop instead of threads.**

#9 What are the 3 states of Promises

- **pending, fulfilled, rejected**

#10 Do you need to use require() to get the global object

- **No its always available**

#11 What does EventEmitter do?

- **EventEmitter classes can use the eventEmitter.on() function to attach event listeners to an event.**

Test Questions Based on course at <https://www.udemy.com/course/nodejs-mongodb-express>

More Courses content and answers <https://basescripts.com/> Laurence Svekis

- **The EventEmitter module makes possible the communication and interaction between objects in Node.**
- **EventEmitter provides properties like on and emit.**
- **The on property is used to bind a function with the event and emit property is used to fire an event.**

#12 What is the output order in the terminal?

- **3 2 1**

Section #4

#1 Which statement below is true about modules in NodeJS?

- **Each module in NodeJS has its own context and cannot interfere with other modules.**
- **Modules are like libraries that you can include into your application.**

#2 Which of the below are examples of Builtin Core Common Modules in NodeJS?

- **http , fs , path , dns**

#3 What is the keyword to make properties and methods available outside the module file?

- **exports**

#4 What is the command line to download a package called 'lsvekis' from npm

- **npm install lsvekis**

#5 What is the command line to get help with npm?

- **npm help**

#6 What is the fs module responsible for?

- **fs module is responsible for all the asynchronous or synchronous file I/O operations**

#7 How can you create a package json file in the directory?

- **npm init -y**

#8 How do you convert a buffer to a string value?

- **buffer.toString();**

#9 What will be the output in the terminal if there is no value for val?

- **ERROR**

#10 What line of code is missing to be able to use the code in this file as a module?

- **exports.person = person;**

Section #5

#1 What is express

- **Fast minimalist web framework for Node.js**

#2 Which are the arguments that are available to an Express JS route handler function

- **request, response, Next**

Test Questions Based on course at <https://www.udemy.com/course/nodejs-mongodb-express>

More Courses content and answers <https://basescripts.com/> Laurence Svekis

#3 Which statement will serve files from a static folder named public

- **app.use(express.static(__dirname+'/public'));**

#4 How do you Get Variables In Express.js In the Get Method?

- **in the request object using req.query**

#5 What will be output in the terminal when you go to the page <http://localhost:8080/?id=100> with the following code?

- **{ id: '100' }**

#6. What does CRUD stand for

- **Create Read Update Delete Methods**

#7 What does the body-parser module do?

- **Parse incoming request bodies in a middleware before your handlers**

#8 What does the body-parser module do?

- **Parse incoming request bodies in a middleware before your handlers**

#9 What are the core features of Express framework?

- **All of the above**

#10 Which of following are valid form of route path? Select more than one if applicable.

- **app.get('/info',(req,res)=>{ res.send('<h1>Info</h1>'); })**
- **app.get('/ab?cd',(req,res)=>{ res.send('<h1>ABC</h1>'); })**
- **app.get('/ab*de',(req,res)=>{ res.send('<h1>AB__DE</h1>'); })**
- **app.get(/z/, (req,res)=>{ res.send('<h1>ZZZZZZZZ</h1>'); })**

Section #6

#1 What is the syntax for the mongo database client in node

- **const MongoClient = require('mongodb').MongoClient;**

#2 What will the following code do if the url is the correct path with key to the database

- **Show connected if a successful connection is made**

#3 Where are the captured values populated regarding route parameters?

- **req.params**

#4 How can we create chainable route handlers for a route path in the ExpressJS app?

Test Questions Based on course at <https://www.udemy.com/course/nodejs-mongodb-express>

More Courses content and answers <https://basescripts.com/> Laurence Svekis

- **app.route()**

#5 How do you set the content type of the response to JSON?

- **res.contentType('application/json');**

#6 What is the syntax to install mongoDB in your application?

- **sudo npm i mongodb**

#7 How would you connect to a database called people and select a collection called friends?

- **client.db('people').collection('friends');**

#8 What is the syntax to create a collection in MongoDB?

- **db.createCollection(name,options)**

#9 What is the syntax to drop a collection in MongoDB?

- **db.collection.drop()**

#10 Which line of code is missing in the below example to make Express work

- **const app = express();**