Blog

Node.JS Interview Questions And Answers

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Node JS Interview Questions And Answers

Q) Node JS Vs Ruby

Feature	Node JS	Ruby On Rails
Written In	C, C++, JavaScript	Ruby
Operating System	Solaris, OpenBSD, FreeBSD, Linux, Mac, MS, webOS and nonStopOS	Cross-Platform
Type	Event driven networking	Web application framework
License	MIT	MIT
Performance	High	Low
Popularity	Popular for its features	Yet to be popular
Documentation	Available	Lack of documentation
Concistency	Inconsistent	Consistent structure
Complexity	Easy to implement	Complex implementation

Q1) What is NodeJS?

NodeJS is javascript runtime environment that is built on chrome to enable lightweight and effective performance of server-side and networking applications in javascript.

Q2) What is NPM?

Node Package Manager. It is used to provide command line environment to install and manage NodeJS Packages, and NodeJS repositories that can be accessed at search.nodejs.org

Q3) Syntax to install modules using NPM.

Syntax : $ npm install

    Example: $ npm install express
    var express = ('express');
    Where express is Name of the module,
    express is JS file, that can be used in your module.

Q4) Mention types of npm modules available that are used very often. ✉ Leave a Message

Express, connect, socket.io and socketjs, pug, mongodb and mongojs, redis, lodash, forever, bluebird, moment are some of npm modules.

Q5) Command to list modules installed in current npm.

    $ npm ls

Note: Remember not to mention npm in UPPERCASE - (Recommended)

Q6) What are the attributes of package.json

Name, version, description, homepage, author, contributors, dependencies – list of dependencies, repository – repository type and URL of the package, main – entry point of the package, keywords.

Q7) What is REPL?

REPL - Read, Eval, Print, Loop.
It is an environment to input commands to perform REPL tasks. Each of the task is associated with its respective operations.

Q8) What kind of applications can be built by Node.JS.

DIRT, JSON, I/O Bound, Single Page applications are preferable to use Node.JS.

Q9) What is the latest version of Node JS.

Node v8.0.0 is the current version.

Q10) NodeJS is a framework. True or False.

False. It is runtime or environment, but not a framework.

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Q11) Commands to work with the file from the local database.

Var fs = require('fs'); &Call(fs); ☑ Leave a Message

Read: fs.readFile();
Create:
fs.appendFile();
fs.open();
fs.writeFile();
Write: fs. writeFile();
Delete: fs.unlink();
Rename: fs.rename();
Update:
fs.appendFile()
fs.writeFile()

Q12) What is error-first callback in Node JS?

In order to check for proper working of the code, we need to verify error free execution. In this regard, error-first callbacks are used, that will send error first, followed by related data to the error.

Q13) What is cluster?

Cluster is a process to handle thread execution load while working with multi-core systems.

Q14) Why node is single threaded?

In order to upgrade the performance well, single thread operations work better than multi-threaded operations.

Q15) How does URL module works.

This module helps URL to parse it into host, pathname, search, query, etc.

Example:
var url = require('url');
var adr = '**https://mindmajix.com/?s=node+js+training**';
var q = url.parse(adr, true);
console.log(q.host); //returns '**mindmajix.com**'
console.log(q.search); //returns '**?s=node+js+training**'

Q16) Explain use of nodemailer module.

It is not included in default modules list, it has to be installed using npm.
Var nodemailer = require('nodemailer');

Q17) What are the types of versions available?

Patch_Version, Minor_Version, Major_Version.

Q18) What are event emitters in NodeJS?

Objects in NodeJS will have to trigger events in order to maintain asynchronous execution of core API used. These objects that emit events are known as Event Emitters.

Q19) What are event listeners?

Events that are emitted by event emitters have to be listened in order to continue the asynchronous execution of the threads. These objects that listens the emitted events are known as listeners.

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