

① Streams are instances of _____

A) EventEmitter

② What type of stream is TCP?

c) Both readable & writable

③ Which command will install the 'nodemon' package as a command line tool?

A) npm install -g nodemon

④ Which of the below features make Node is an efficient, lightweight server side technology best suited for data intensive real-time applications?

D) All of the above.

⑤ Which are the invalid events raised in Node while working with web sockets?

c) data

⑥ Which of the below API from the fs module helps to monitor changes to a file?

B) watchFile()

~~fs.appendFile()~~

⑦ which flag of the 'npm install' command enables to update the package json with the entry of the new modules being installed
A) -save

⑧ which of the below are built-in Node modules?
A) fs

⑨ which of the below is a valid route path definition.
D) A & B $\left(\begin{array}{l} \text{router.route('/:users/:name')} \\ \text{router.route('/:users')} \end{array} \right)$

⑩ which of the below approach will be suitable when you want to monitor several events that might occur as the result of an operation.
B) Events

⑪ what is the default behaviour of node when same module is required twice by using require()?
C) returns cached module for the second require()

⑫ which of the below are valid template engines which can be used with express
D) All of the above

⑮ Suppose we have a route defined as below. `router.route('/user/:name')`. How can we fetch the parameter name in the router function?

(c) `request.query.name`

⑰ Which of the below correctly lists all contents of the current directory?

B) `var fs = require('fs'); fs.readdir('.', function(err, files) { console.log(files); })`

⑳ Custom events cannot be created in node.

'False'

㉑ Database calls in nodejs are

B) `non blocking calls`

㉒ It is mandatory to have at least one error handler for every event emitted.

A) `True`

㉓ For `fs.mkdir(path, [mode], callback)` The mode defaults to

(c) `777`

24) which of the below is true about NPM?
D) All of the above

25) which of the following is correct about streams?

E) All of the above

26) The "exports" object is used to expose functions, variables, classes from one module to other modules in the same folder.

A) True

27) What is the first argument of every callbacks in the fs module?

B) error

28) Which method enables to redirect a route in express? Assume request & response are passed in the route handler

A) res.redirect()

29) Which of the below statement will correctly import a custom javascript module with name "test.js" present the same working directory?

B) `require('./test')`

30) Assume 'res' refers to the Http response object in express. what is the below line equivalent to? `res.sendStatus(404)`

A) `res.status(404).send('Not Found')`

31) Node js is a good choice for apps with heavy server side computation of processing

B) False

32) Which of the below functions in the fs module have callbacks as parameter

D) All of the above

33) Nodejs is _____

A) Single threaded

34) By following the rules defined by the WebSocket protocol how does the client & the server communication?

B) Long lived TCP socket

35) which of the following way is a valid way to emit an event which would broadcast the messages to everyone but not to sender in a web socket connection.

B) `socket.broadcast.emit('that message', msg)`

36) which of the following function can be used to create a directory.

C) `fs.mkdir(path, [mode], callback)`

37) which of the following are valid use cases of web sockets?

D) All of the above

38) With — you can act on partial results as they arrive.

B) Events

39) package.json file is automatically created by which command?

C) `npm init`

40) which all HTTP requests will be handled by this route handler for the url '/shop'?

E) All of the above

41) For the given line of code to configure a model in Mongoose var ~~rec~~
 `rec = mongoose.model('Record', RecSchema, 'records')` what does the third parameter refer to?

D) It is the name of the mongoose schema.

42) Which module needs to be installed in node to work with the WebSocket API?

B) Socket.io

43) `var fs = require('fs'); var readableStream = fs.createReadStream('input.json');`
`var writableStream = fs.createWriteStream('output.json');` As per the code above which of the following code snippet would write input json file data to output json file, by providing o/p of one stream as i/p to another stream?

B) `readableStream.pipe(writableStream)`

44) Node websocket server exchanges messages with the client side by emitting events and sending data as parameters

A) True

45) Which is the valid Schema types supported in Mongoose API?

D) All of the above

46) Which of the following is appropriate way to write mongoose schema for collection of books documents, where name has to be string, author has to be string, pages has to be number and isbn used for indexing as well isbn has to be unique.

D) `var Schema = mongoose.Schema;`

`var bookSchema = new Schema`

47) Which node module helps to debug node applications

A) node-inspector

48) when is the 'finish' event fired while working with streams in Node?

B) This event is fired when all the data has been flushed to underlying system.

49) which of the below is true about an express based server?

B) Express provides a default route for the application implicitly serving an index html page

50) In web socket connection, who initiates the connection?

A) Client

51) which file is updated when we install modules with command "npm install -save?"

B) package.json

52) which of the below correctly lists all contents of the current directory?

B)

```
var fs = require('fs');  
fs.readdir('.', function(err, files)  
{ console.log(files); } )
```

53) which property in the 'package.json' has a list of development dependency module.

C) devDependencies

54) Which of the following is true about Mongoose?

D) All of the above

55) Which of the following method of fs (file system) is used to read a file?

A) fs.open(path, flags[mod], callback)

56) How are modules imported in a node application?

B) require() method

57) Which of the below applications can be built with node.js?

D) All of the above.

58) Which of the following function is used to subscribe to particular event with registering to an event listener

B) on

59) How would you install a npm package globally?

C) npm install -g

60) which framework enables to create RESTful API in node

c) Express

61) pause() is a method of _____

a) readable streams

62) which module is required for fetching data from HTTP request body

a) body-parser

63) which is the right command to delete directory?

b) fs.rmdir(path, callback)

64) which event is emitted by the socket when the client closes the connection?

c) disconnect

65) which of the below is true about Node.js?

d) A & C

Q Which of the following is a valid way to import the EventEmitter object from the 'events' module?

A) `var EventEmitter = require('events').EventEmitter;`

Q Following code is an example of non-blocking code. Assume user object has a property 'name' function `getUser(id) { var user = db.get...`

Q Modules installed locally can be found in which directory?

D) Directory named 'node_modules'

Q Which of the below is correct about the event loop in Node.js?

D) All of the above