

MCQs

Q.1 Which array function among these are mutating one

- a. concat
- b. filter
- c. splice
- d. slice

Ans. slice

Q.2 What among is correct about shift and pop

- a. Both mutates array
- b. shift returns removed first element and pop returns removed last element in an array
- c. Both are built in methods of array
- d. All of these

Ans. All of these

Q.3 Method to check if it is array

- a. =='
- b. isArrayType()
- c. ==='
- d. typeof

Ans. typeof

Q.4 The pop() method of the array does which of these ?

- a. decrement the total length by 1
- b. increments the total length by 1
- c. prints the first element but no effect on the length
- d. None of these

Ans. decrement the total length by 1

Q.5 An _____ is a non primitive variable, which can hold more than one value

- a. array
- b. object
- c. charecter
- d.

Ans. array

Q.6 Which is most common way to declare arrays with the _____ keyword.

- a. var
- b. array
- c. None of these
- d.

Ans. var

Q.7 The typeof operator in JavaScript returns "-----" for arrays.

- a. Array
- b. object
- c. function
- d. undefined

Ans. object

Q.8 The _____ method also joins all array elements into a string.

- a. toString()
- b. join()
- c. pop()
- d. shift()

Ans. join()

Q.9 Array elements can be deleted using which of the JavaScript operator?

- a. pop
- b. shift
- c. delete
- d. All of the above

Ans. All of the above

Q.10 The primary use of the map() function is that to

- a. maps the elements of another array into itself
- b. passes each element of the array and returns the necessary mapped elements
- c.
- d. passes each element of the array on which it is invoked to the function you specify, and returns an array containing the values returned by that function

Ans. passes each element of the array on which it is invoked to the function you specify, and returns an array containing the values returned by that function

Q.11 Which is not a architectural pattern

- a. Monolithic Architecture
- b. Service-oriented Architecture
- c. Microservices
- d. Macroservices

Ans. Macroservices

Q.12 How do architects influence on developing organization?

- a. Long term business
- b. Organization structure
- c. Immediate business
- d. All of the above

Ans. All of the above

Q.13 _____ includes in Architecture based process.

- a. Analyzing or valuating the architecture
- b. Understanding the requirements
- c. Creating the business case for the system
- d. All of the above

Ans. All of the above

Q.14 The wrong procedure for structural design is _____

- a. More procedural approach
- b. Handling of larger and more complex products
- c. Transition of problem models to solution models
- d. Designing Object oriented systems

Ans. More procedural approach

Q.15 What is a microservice?

- a. A design used primarily in functional programming and object-oriented programming
- b. A small program that represents discrete logic that executes within a well-defined boundary on dedicated hardware
- c. A style of design for enterprise systems based on a loosely coupled component architecture
- d. A very small piece of code that never gets any bigger than 10 lines

Ans. A style of design for enterprise systems based on a loosely coupled component architecture

Q.16 When would developers use microservices?

- a. When they want to write cell phone applications that run quickly
- b. When they work with ephemeral nano technology

c. When they need to create large, enterprise-level applications that are subject to changes on a frequent basis

d. When they create applications specifically for scientific test equipment

Ans. When they need to create large, enterprise-level applications that are subject to changes on a frequent basis

Q.17 Which of the following responses is an advantage of microservices?

a. Any microservice component can change independently from other components

b. They don't require a lot of expertise to program

c. They're so small that developers can typically write very powerful ones with a few lines of text

d. They are easy to manage

Ans. Any microservice component can change independently from other components

Q.18 External clients communicate with Microservices using _____.

a. Messaging

b. API

c. API Gateway

d. API Proxy

Ans. API Gateway

Q.19 Separating components with conflicting resource requirements falls under the bucket of _____.

a. Macroservices

b. Monolithic

c. pantry

d. Microservices

Ans. Microservices

Q.20 Scaling the application can be challenging in _____ due to conflicting needs of Memory, CPU, and I/O.

a. Monolithic architecture

b. Macroservices

c. microservices

d. none

Ans. Monolithic architecture

Q.21 What are the steps to structure My application?

a. A. Route listings

b. B. Route map

c. C. MVC style controllers

d. All of the above

Ans. All of the above

Q.22 What are the steps used for Error Handling in Express.js?

- a. Create a Middleware
- b. Install Error Handler Middleware
- c. Both of these
- d. None

Ans. Both of these

Q.23 What are the main features of Express JS?

- a. A. The performance of Express JS is adequate due to the presence of a thin layer prepared by the Express JS
- b. It is used for organizing the web applications into the MVC architecture
- c. Everything from routes to rendering view and performing HTTP requests can be managed by Express JS
- d. All of the above

Ans. All of the above

Q.24 What function are arguments available to Express JS?

- a. Req
- b. Res
- c. next
- d. All the above mentioned

Ans. All the above mentioned

Q.25 What are the core features of the Express framework?

- a. Allows to set up middlewares to respond to HTTP Requests
- b. Defines a routing table which can work as per HTTP Method and URL.
- c. Dynamically render HTML Pages
- d. All of the above

Ans. All of the above

Q.26 Express JS is written only in

- a. JavaScript
- b. C programming
- c. C++
- d. None

Ans. JavaScript

Q.27 Express JS is in the platform of

- a. Node JS
- b. Web Analytics
- c. Embed JS
- d. None of these

Ans. Node JS

Q.28 Route paths, in combination with a request method, define the endpoints at which requests can be made. Which of following are valid form of route path?

- a. strings
- b. string patterns
- c. regular expressions
- d. All of above

Ans. All of above

Q.29 To include the HTTP server in the node module, what function do we use?

- a. get()
- b. require
- c. createServer()
- d. None of these

Ans. require

Q.30 The advantages of using node modules are?

- a. Provides a means of dividing up tasks
- b. Provides a means of reuse of program code

- c. Provides a means of testing individual parts of the program
- d. All of the above

Ans. All of the above

Q.31 Which of the following is not a NoSQL database?

- a. None
- b. Cassandra
- c. MongoDB
- d. SQL Server

Ans. SQL Server

Q.32 Which of the following are the simplest NoSQL databases?

- a. Key-value Stores
- b. Document Databases
- c. Wide-column
- d. All of the above

Ans. Key-value Stores

Q.33 What is the aim of NoSQL?

- a. NoSQL is not suitable for storing structured data.
- b. NoSQL databases allow storing non-structured data.

c. NoSQL is a new data format to store large datasets.

d. NoSQL provides an alternative to SQL databases to store textual data.

Ans. NoSQL is a new data format to store large datasets.

Q.34 Which of the following is a strong feature for NoSQL databases?

a. Higher Scalability

b. Cost Effective

c. Support flexible schema

d. All of the above

Ans. All of the above

Q.35 Which of the following is a document-oriented NoSQL Database?

a. CouchDB

b. OrientDB

c. FlockDB

d. Hypertable

Ans. CouchDB

Q.36 Point out the correct statement.

- a. Documents can contain many different key-value pairs, or key-array pairs, or even nested documents
- b. MongoDB has official drivers for a variety of popular programming languages and development environments
- c. When compared to relational databases, NoSQL databases are more scalable and provide superior performance
- d. All of the mentioned

Ans. All of the mentioned

Q.37 Point out the wrong statement.

- a. Non Relational databases require that schemas be defined before you can add data
- b. NoSQL databases are built to allow the insertion of data without a predefined schema
- c. NewSQL databases are built to allow the insertion of data without a predefined schema
- d. All of the mentioned

Ans. Non Relational databases require that schemas be defined before you can add data

Q.38 Most NoSQL databases support automatic _____ meaning that you get high availability and disaster recovery.

- a. processing
- b. scalability
- c. replication
- d. all of the mentioned

Ans. replication

Q.39 NoSQL databases is used mainly for handling large volumes of _____ data.

- a. unstructured
- b. structured
- c. semi-structured
- d. all of the mentioned

Ans. unstructured

Q.40 Which of the following is a nosql database type?

- a. SQL
- b. JSON
- c. Document databases
- d. None of the above

Ans. Document databases