PENDING

JS
----

applications & drawbacks of closure

pure function

benefits of IIFE

default parameter

nullish operator

ternary vs if..else

optional chaining

remove all the even numbers from an array

object manipulation

object methods

how to check if an object is empty or not?

this keyword

function vs methods

arrow functions vs regular functions

node-express
----

routing in http server

explore different res methods & it's usecases

spawn vs fork

OPTION

origin

app.locals

router chaining

query params vs url params

mongoDB

CAP theorem

capped collection

how to modify a collection name

$expr

$elemMatch

$exists

find average salary of entire employees from a collection

practice aggregate workouts

$facet

covered query

bulk write operation

Factory Functions

Palindrome

Closure

Lexical Scope

Let, const. var

functional scope vs block scope

Constructor function

Generator function

Currying

Sum of prime numbers

Cache

localStorage vs sessionStorage

CSRF

Parts of http request and response

Exec vs execFile

Res.send vs res.write

Learn and practice aggregation

$group

$facet

$max

$min

Clustered Collection

Views

- truthy, falsy values
- error object
- Weak Ref
- Symbol primitive
- prototype chain
- Promise.allSettled
- is null an object?
- labels
- class
- static keyword
- throw an error if object passed to the function is empty
- filter numbers from a mixed array
- .reduce(): sum of whole numbers
- generator function

Score: 3.5

DB
- BSON advantages
- view
- $facet
- covered query
- $out
- names ending with ""e'"" (case insensitive)
- decrease salary by 1000 if developer doesn't know html (skills array)
- name of person with max salary

Score: 3

Framework
- process vs thread
- does concurrency need multiple threads?
- environment variables
- crypto module
- fs.unlink
- socket
- structure of HTTP response and request
- HTTP 403, 500
- query param structure
- url fragments
- user-agent
- content-type
- CSRF
- preflight request
- localhost

JS T: 4, P: 3

JIT

Type coercion

Dynamic typing

Truthy vs falsey values

Proxy objects

Fn as statement vs fn as expression

instanceof

Filter out numbers from a mixed array.

Merge two objects

Delete a property from an object

Promise, callback - P

Remove duplicates from an array

MongoDB

T: 2 P: 2

Namespace

Components of _id

How index works

Index types

Transactions in DB

Data modeling and anti-patterns

$upsert, $push vs $addToSet

Journaling

TTL

Update properties inside of an object

Average salary of employees grouped by dept

Node

T: 4 P: 1

Child process in detail

package.json components

Library vs framework

Middleware types - P

Streams, buffer, res.pipe()

Components of HTTP request

CSRF

Commonjs vs ESModules

Authentication vs authorization

Encryption vs hashing

Promine states

Promise methods

nullish operator

event delegation

memoization

currying advantages

event bubbling

event capturing

Promise practicals

Array methods practicals

threadpool

child procesa learn more

setimmediate

piping

express ürlencoded

Jaon expresses

content negotiation

app locals

partials

OPTIONS method

hasked index

geospatial mdex

covered query

Salt

Aguregate practicals

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express ürlencoded

Jaon expresses

content negotiation

app locals

partials

OPTIONS method

hasked index

geospatial mdex

covered query

Delete confirmation

Image validation

Identifier

Literals

Nullish oparetor

Floor seil round

Event bubbling

Rest parameters

Views

Partition tolerance

Geographical indexing

Repeat

Res.json

File response

Download file

Concurrentcy

Cluster and workers

Statically vs. Dynamically Typed

Single Thread vs Synchronous

Synchronous vs Asynchronous

Blocking vs Non-Blocking

Explicit vs Implicit Type Coercion

Hoisting

Learn How to do:

Sum of Values in an Array using while & forEach

app.set

URL - params

express-session

All Flags in Cookie

Partials

Sharding

Replication

fs.files fs.chunks

Sunwind

Learn how to do:

- Category: Mobile, Company: Mi or Oppo, Price: Low to

First 20 of them

- $project in find()

Set, weak-set

Immutable datatypes

Object, freeze), seal)

Fn as statement vs fn as expression

Pure functions

Generator functions T&P

Learn how to use all the array methods

map, filter, reduce, forfach, some, every etc.

Promise methods

finally

Optional chaining Short circuit evaluation

Nullish coalescion

NaN

Instanceof

Hoisting

Temporal dead zone

static keyword

Theory: 1 Practical: 3

Pending Topics:

Object destructuring

proxy object

call apply, bind

call back function

weakmap

Event delegation (need clarity)

Event propagation prevent default

polyhils debouncing

prototype(need clarity)

generator function

stages of promise

promise includes

reduce

memoization

coerciont need clarity)

closure

Object destructuring

apply

call

Encrypt string in node js

scope of a function

promise (need clarity)

Event Propagation

call back function

weakmap (need clarity)

Generator function

reduce

deep freeze

proxy object

HTTP methods (need clarity)

put vs post (idempotency)

reactor pattern

Buffer

Eventemitter

$addtoset

$bulkwrite

$lookup

covered query (need clarity)

TTL indexing

explain

view

benefits of IIFE

this keyword

call, apply & bind

remove all even numbers from an array

reverse an array wo using reverse

highest odd number using reduce

object manipulation

object methods

promise methods

node-express

create http server

libuv

application level vs router level middleware

http OPTION

origin

router chaining

dynamic routing

query params va url params

mongo

how to rename a collection

bulk write operation

$expr

$elemMatch

$facet