

DATE _____

Action generator return { type: 'SET_NUM', payload: n }

export const generalRan = (n) => {

const store = configureStore()

store.subscribe(() =>

console.log(store.getState())

)

Redux store state value in a store, so that every component have access to it through props & if connect method. The value gets updated, if some actions are performed depending on that type, Reducers return updated value to the component.

Q10. The ability to allow a user to register login, logout from application is what User Authorization is. While Registering every new user gets registered, their password gets stored as encrypted password (using bcrypts). And, every user generates a token, i.e. jsonWebToken, which is a identity of a user.

Q11. Express middleware can be function that have access to response, request & next.

The promise object represents the eventual completion & its failure of an asynchronous operation

function checkValue (n) {
 return new Promise ((resolve, reject) =>
 axios.get ('/url').then (response => {

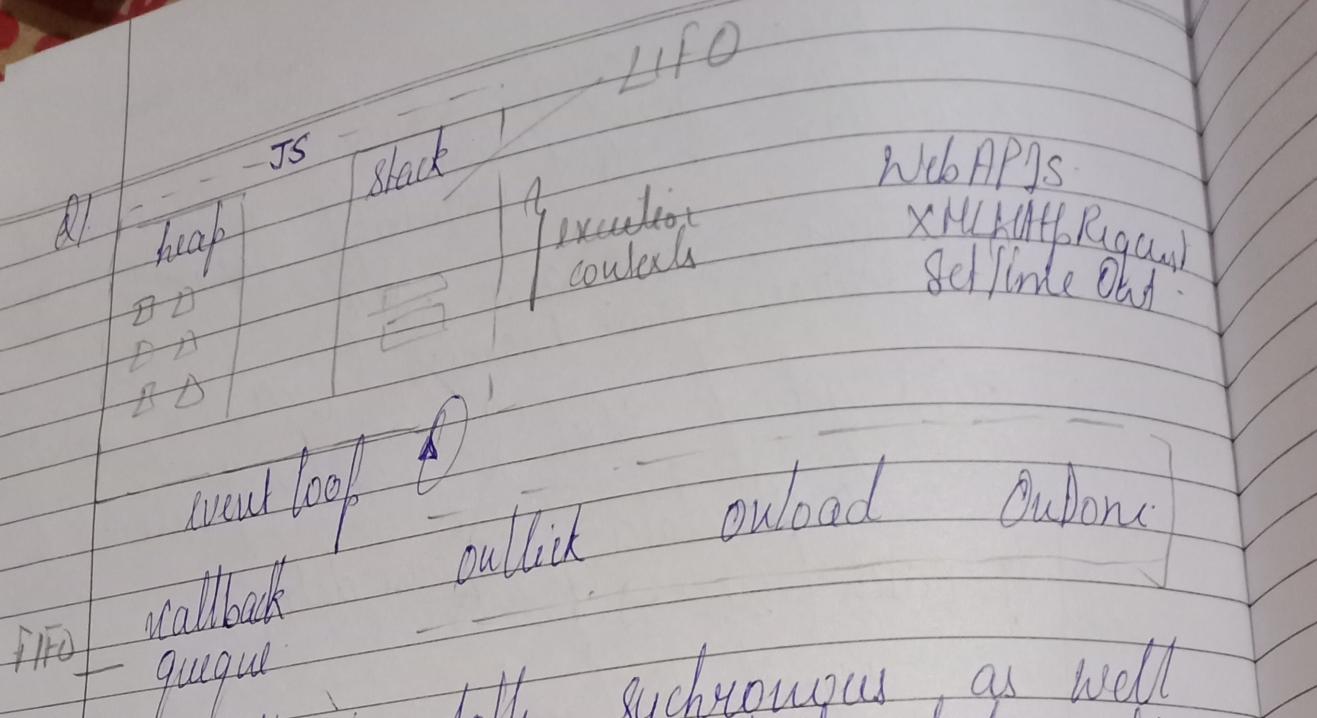
const data = response.data

}).catch (err => {

console.log (err)

})

Promise is an alternative way to write sync code. They either return the result or throw an error. They are used to avoid callback hell in node.js.



Javascript is both synchronous as well as asynchronous, anything that takes time will execute, later is asynchronous.

The task will won't take time, will execute first and rest gets stored there in Web APIs, opes their timer gets stopped if gets moved to callback queue. When all the tasks of stack gets completed the event loop notifies callback queue & the task from their gets moved to stack for execution.

Q9 SQL
Table [set of information]
row [properties of this object]
columns [collection of these documents]

NoSQL
collection
document
field

MONGODB

Oracle,
MySQL

Q6 Mongoose is a database, it is used
bcz it provide a straight - forward
schema based solution to mode your
application. And it includes built-in
type-casting, validation, business logic + hooks, query-building

Q5. Different HTTP methods used in Web dev.

1. get - To get all record
2. put - To update record
3. post - To create record
4. delete - To delete data

- Q4.) High Performance
2. MVC Support
3. Database Support
4. Routing
5. Middlewares.

Buy user executes query code
Make the changes to response, request object
and the next response cycle.
call the next middleware.

DB: const Schema = mongoose.Schema
const bookSchema = new Schema({

title: { type: 'string' },

author: { type: 'string' },

publish date: { type: 'string' },

const Book = mongoose.model('Book', bookSchema);

ex) module.exports = Book

model.exports.list = (req, res) => {

controller Book.find().then(book) => {

}).catch(error) => {

res.json(error)

[controller.get('/books', books)]

Q11. Redux is an application level state management library. Redux is based on flux architecture.

import { createStore } from 'redux';
const store = createStore (combineReducers ({

random : randomReducer }

))
reducer

const randomInitialState = ;
const randomReducer = (state = randomInitialState,

action) => {

switch (action.type) {

case 'SET_NUMBER': {

return action.payload;

default:

return state;

function generalRandom (props) {

const handlelick = () => {

const Ra_random = Math.round ((Math.random () * 100)

props.dispatch ({ type: generateRam (random) })

return (

{props.random}

)

<button onClick = {handleclick} > general state </button>

export default connect (mapStateToProps) (general