Topics	Objectives	
Introduction,	1. Score with const and let,	
Template Literals,	2. String interpolation PRACTICE REQ FO)R
Parameter Handling,	3. Default Params, Rest Operator, Spread Operator REST OPERATOR	
Helpers,	<mark>4. forEach,map,filter,find,</mark> every, <mark>sort</mark>	
Functions and Enhanced Object Properties,	5. Arrow functions, Objects, Rest and spread operator	
	1. Property Shorthand,Computed Property Names,Method	
Destructring,	Properties	
Modules,	2. Array Matching,Object Matching,Deep Matching,Default	
Promises,	values,Parameter Context Matching	
Map / Set	3. Modules	
Classes	4. Promises WORKING WITH PROMISE AND	
Cidoco	5. Map/Set MAP/SET	
	6. Classes	
	What is Node?	
	Steps to setup development environment to develop an	
	application application	
Introduction to node, environment setup, modules,	What is module in node?	
npm	What is NPM?	
-	What is a Package?	
	Usage of package.	
	Installing Modules using NPM Loaders	
	What is babel?	
	Environment Setup Project setup using Babel	
	Overview of Babel Plugins, Babel Polyfill, Babel CLI	
Webpack and Babel	Why webpack?	
	Webpack Config. WEBPACK ??	
	Webpack Modules	
	Requiring Libraries	
	Project setup using Webpack	
	110ject setup usnig wenpack	

	Whats is SPA <mark>, Role of React in MVC, create react app using</mark>		
	npm and npx, react setup, Why we need to have react in		
	web application, Advantages of using React over plain		
Introduction to React, Virtual DOM, JSX	Javascript, JSX, React Elements, Working of Virtual DOM, React		
	R <mark>enderer , R</mark> eact Reconcilation, React Keys,Explain folder		
	structure, Styling methods, render method. Objectives: Types		
	of JSX, React keys. SImple react problem, React elements.		
	What is Component, Advantages of writing code as		
	components,Functional Components , Class		
	Components, Parent / Child components, Types of		
	Components, Conditional Rendering, Identifying components		
React Components, (Functional and Class), rendering	from design, Using map to render list of components.Import		
arrays, map, Lists, Keys, Component Identification	Components from different packages. Objectives: Component		
	rendering, Functional component and Class		
	components.Structring UI into components. Rendering the		
	components with list,map, Conditional rendering,Importing		
	components from different place		
	what is a props, How props are used to communicate		
	between components, What is the state, How to initialize and		
React Props & State, Introduction to Prop types	manage the state, How to change the state value using		
	setState, Changing parent state from child,Prop types,		
	Objectives : Understanding props, state, updating and		
	managing state, Prop types, default prop		
	types,Communicating parent child through props.		
	types, communicating parent child through props.		

KEY VALUE SETUP

CHILD-PARENT-CHANGING VALUES OF PARENT FROM CHILD USing setState -UNDERSTANDING+P RACTICE

Event Handling in React, Style handling (different modes)		prevent defait use ent.preventDefault()
	CSS Modules Sass & SCSS Less	
Life Cycle Methods & Conditional Rendering	component life cycle intro , types of methods, Mounting ,Updating , Unmounting, Error Handling methods clasification with example for each. Conditional rendering intro and purpose with example, Inline If with Logical && Operator(ternary) and if,	
Form intro react and conditional comp, basic form with different form fields, formik intro with exymptotic yup validation and custom validation, reinitialized purpose of ref, when to use ref, create and accomponent, and Function Components		
React Routing	- What is routing and why we need routing ? - Basic Routing using links - Nested Routing	

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	What is Context		
	When to use context API		
	Traditional way of passing arguments		
React Context API	What is Provider and Context		
React Context Air	Where we can use Context API		
	What is Consumer		
	What is Dynamic Context		
	How to consume multiple context		
	What is Redux		
	Creating Redux		
	Integrating Redux with React		
	Redux Structure		
Introduction to Redux	Building Redux		
introduction to Redux	Provider and Connect		
	Redux Stores		
	Redux Reducers		
	Redux State		
	Async Actions		
	-What is Promise		
Recap of Promises, Fetch API, Axios	-async, await and then in promise		
Recap of Frontises, reterr AFI, Axios	- Performing a GET Request, GET Request with Parameters,		
	POST Request with axios		
	1. Introduction for all Topic		
	2. Functional programming and higher order functions		
	3. Higher order component in React		
HOC, render props, Authentication, Cookies, JWT	4. The render props pattern		
	5. A simple render prop component		
	6. Authentication and Goals for authentication system		
	7. Get and Set Cookies in react		
	8. Understand JWTs		
	9. Structure of a JWT		

	1) What is a local store and when it can be used.	
	2) Set and get a value from local store and use it.	
	3) What is a session storage and when it can be used.	
	4) Set and get a value from session storage and use it.	
Local Storage, Session Storage, ESLint, i18n, Lazy	5) What is ESLint	
Loading, Error Boundaries	6) How to improve code style using ESLint.	
Eddulig, Error Boundaries	7) How internationalization done using i18 in react.	
	8) What is Error Boundaries	
	9) Where to place Error Boundries.	
	10) What is lazy loading	
	11) fallback, suspense and lazy in lazy loading	
Introduction to Hooks, React Charts library	1. Introduction about react hook	
	2. State hook and Stateless components	
	3. Declaring multiple state variables	
	4. Effect hook	
	5. Other hook	
	6. Important React chart libraries	
	Introduction to testing	
	1) Definition of testing	
	2)Debugging vs. Testing	
	Jest	
	1) Installation and testing (Javascript,react)	
	2) Using matchers - common	
Introduction to Testing, JEST	matchers(expect,tobe,toequal,not.tobe), truthiness	
	(toBeNull,toBeUndefined,toBeDefined,toBeTruthy,toBeFalsy)	
	Numbers,Strings, Arrays and iterables,Exceptions	
	3) Test asynchronous code (callback,promises,resolves/	
	rejects,async/await)	
	4) Scoping (beforeAll,afterAll,beforeEach,afterEach)	
	5) Use mock functions	