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	What are the advantages of using Read
ا, و	What are the across to improve ethice
\rightarrow	
	O Tal ICAS SILATURA DOS
	The House Boys
	is a vintural of presentation of
	Each time the data changes
	a and virtual Dom gets colores.
	creating a vistual Dom is much faster than
	redening the UI Inside the browser
	· Gentle learning whome :- React has a fulle
	leaving there when compased to rountemosts
	like angular. Anyone with little knowledge
	of javascript can start building web
	applications using React.
	SEO Friendly: - feact allows developers to
	develop engaging user interfaces that an
X	be easily navigated in various search engines
7.0	· Reusable components: - React Uses component
	based architecture for developing application
	components are independent and erreusable
	bits of code. These components can be
	Shared across various applications having
	similar functionality.
	27-77-4-47-60-7-60-4-7-60-4-7
g	1 12 1
\rightarrow	what are the limitation of React?
	- React is not a full blown framework as
	it is only a library.
	The components of React are numerous
	and will take time to fully grasp the
	penefits of all.
	0

	It might be difficult for him
	The might be difficult for beginner programmers - coding might become
	use of inline templating and lox.
A	What is usestate() in Read?
9.	The Usestate () is a built-in Reach Il
1	that a too her ing state variables
	in Functional components. It should be
11.11	used when the Dom has something that
1	is dynamically manipulating controlling.
-	above and shorts also the insula
0	What ose keys in React?
-1-	A key is a special string attribute that
	needs to be included when using lists of
225	elements.
7	The React Way to sender a List.
1.5.40	on- a Use Array. map or to dant cogar
	- Nota for 100p
	~ Give each item a unique key
	- Avoid using array index as the key.
740	
vi i i i	Topostance of keys- keys help react identify which element were
76,1	added, changed or removed.
•	keys should be given to array elements for
4.1	providing a unique identity for each element.
	providing a unique identify without keys, React does not understand in the interest of each element.
Sola .	the order or uniqueness of each element.
-	

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	with keys, react has an idea of which
	particular element was deleted edited
ers III	and added.
	keys are generally used for displaying a
	list of data coming from an API.
	The second of the country of the second of t
g.	What are the differences between functional
र अ हि	class components.
\rightarrow	Before the introduction of Hooks in Regul
56,49	Functional components were called state
• (components and were behind class component
	on a feature basis. After the introduction
-	of Hooks, functional components are
1 4-1.7	equivalent to class components although
515	functional components are the new trend,
	the react team insists on keeping class
	components in feact. Therefore, it is
100	important to know how these components
n demand	artes.
₹.	who was about the sale of
→ →	Mhy was vistal Domintroduced?
7.41	Dom munipulation is an integral post
	is quite slaw when com manipul
	operations in Javascript. The efficiency
03	of the application gets affected when
10-3	Several Dom at manipulations are being
ind	done. Most Jarascript fourneworks update
-	the entire Dom even when a small part
	Scanned with CamScanne

of the Dom changes. eig: - consider a list that is being rendered How does vistual pomitoook? inside the dom. If one of the items in the list changes, the entire lists gets rendered agoun instead of just rendering the item that wan changed / updated. This is called inefficient updating. To address the problem of inefficient upderling, the seach team introduced the concept of violand Dom.

Date

What is React Hooks? React Hooks are the built-in- Functions that permit developers for using the state of lifecycle methods within React components. These are newly added features made ovailable in React 16.8 version. Each lifecule of a component is having 3 phases which include mount, unmount & update. Along with that, components have properties & states. Hooks will allow using these & methods by developers for improving the seuse of code with higher flexibility navigating the component tree Using Hook, all features of React can be used without conting dass components for eig, before React version 16.8, it required a class component for managing the state of a component. But now using the usestate hook, we can keep the state in a functional component. What are props in React? The props in React one in the inputs to a component of React. They can be single-valued or objects having a set of values that will be passed to components of React during creation by using a naming convention that almost looks similar to HTML-tag attributes. We can say that props are the data passed from a parent

component into a child component provide different component functionalis such as ! - Passing custom data to the React component - using through this props , react-prop inside render() method of component. Triggering state changes. Explain React State & props. Props are Immutable, Mas better performance, can be passed to child components. state are owned by its component 5520 50 Locally scoped, writeable/mutable has setstate () method to modify properties changes to state can be asynchronous, can only be passed as props feat state - Every component in read has a built in state object, which contains -all the property values that belong to that component. In other words, the state object controls the behaviour of a component Any change in the property values of the state object leads to the re-sender of the component.

Acor door Explain about types of side effects in feach component. Two types: -Effects without cleanup: This side effect will be used in useEffect which does not restoict the browser from screen update. It also improves the responsive ness of an application. A few common examples are network requests, Logging monuted Dom mutations, etc. Effects with deanup: some of the Hook effects will require the cleanup after updatiof Dom is done. For example - if you want to set up an external dester source subscription, it requires cleaning up the memory else there might be a problem of

memory leak. It is a known fact the React will carry out the cleanup of memory when the unmounting of components happens. But the effect, will run for each render () method rather than for any specific method Thus we can say that, before exembon of the effects succeeding time the react will also cleanup effects from the preceding render.

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