for a web browser to read a Jsx file, the file needs to be transformed into a regular Javascript object, for this we use Babel.

What is the virtual Dom?

Dom stands for downment object model. The

Dom sepsesents an Home downment with a

logical tree structure. Each branch of the bree

need ends in a node, and each node contains

objects.

React keeps a lighweight representation of the real Dom in the memory, and that is known as the virtual Dom.

why use React instead of other frameworks, like Angular?

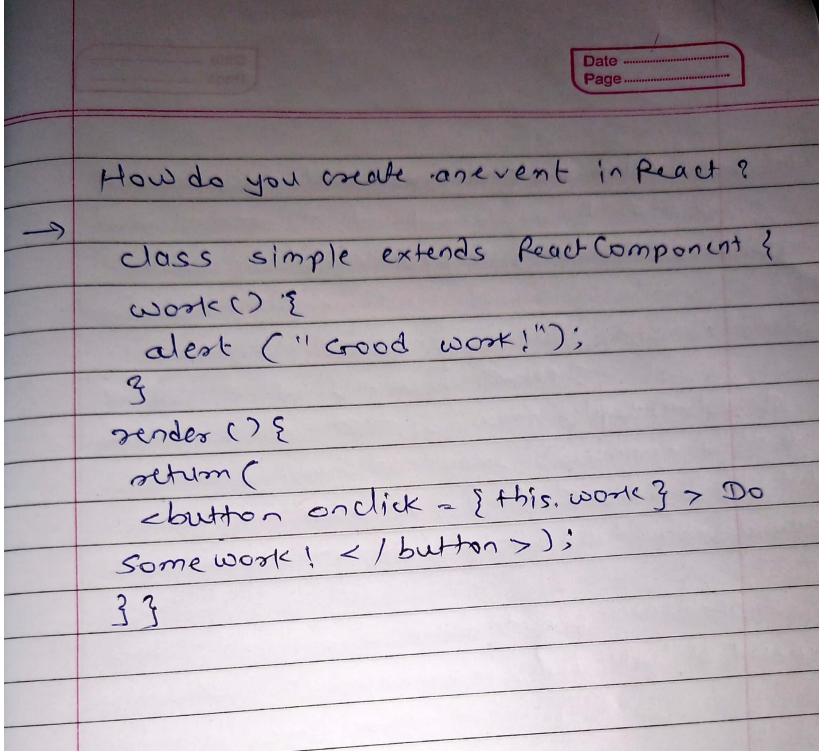
- -> . Easy creation of dynamic applications:
  React makes it easier to create dynamic web

  applications because it provides less coding

  and provides more functionalities,
  - Improved performance: React uses virtual Dom, which makes web applications perform foster.
  - · feusable components: components are the building blocks of any React application, and a single app usually consists of multiple components

		Date
Sett	Unidirectional dato flow	- This means that
200	when designing a Re nest child componer	act app, we one
	components.	sy debugging - facebo
, salt,	has released a chrom	appires,
2010-00	What is the difference Ess standards?	between the ESG&
<del></del>	ESS is the fifth edition	ES6 is the sixth
(1000 a)	of the ESMA script  (atrademarked scripting	script (a trademarke
	defined by Ecma international.	specification defined by ECMA international
43.50	It was introduced in 2009	It was introduced in 2015.
Eurpo.	Ess supports primitive data types that are string	. In ESE, these are
ment rac	number boolean, null & undefined.	
bas s	dollars franchische	Symbol for
2 9	we could only define the	· there are to see
1	variables by using the rap	that are let and cont

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	What is Recall is Not a framework :
<b>→</b>	is Not a frameworst :
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	- created and mariatorial focus on us
1240	- created and movintained by facebook.
	- Component based architecture Header, Side now, main component, Footer.
J×3/	- Seamlessly integrate react into any of
احمدا	Jour applications.
	assistant of your page or a complete same
coll	even an entire application itself.
- 1	- React native for mobile applications.
esequi	sites-HTML, CSS and JavaScript fundamentals
	- Javascript - 'this' keyword; filter, map and
	reduce.
	- ESG - let of const, assow functions template
	literals, default parameters, object literals
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sest and spread operators and destruction ossignment. Create - read-App npre + creak-react-app ppojet-names npm package name. npre is an npm package number which gets installed when you install node in that . What is prop drilling in Read -> sometimes while developing React Application there is a need to pass data from a component that is higher in the hierarch to a component that is deeply nested. To pass data between such components, we pass props from a source component and keep passing the prop to the next component in the hierarchy till we read the deeply nested component. The disadvantage of using prop drilling is that the components that should otherwise be not aware of the data have access to the data

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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 lifetyde 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 writing class components. Por e.g., 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.

The props in React are in the inputs

to a component of React. They can be

single-valued or Objects having a ret of

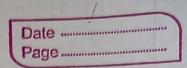
values that will be passed to components

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



What are the differences between controlled and uncontrolled components? -> controlled component: - In a controlled component, the value of the input element is controlled by React. We store the State of the input element inside the code, and by using event-based callbacks, any changes made to the input element will be reflected in the code as well. Uncontrolled component: In an uncontrolled component, the value of the input element is handled by the Dom itself. Input elements inside uncontrolled components work just like normal HTML input from elements. The state of the input element is handled by the Dom. Whenever the value of the input element is changed, event-based callbacks are not called. Basically, react does not perform any action when there are changes made to the input element.