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Næme: Putel Jenishkumur kishorbhai
Cluss: M.Sc ICT (sem-1)
Subject: Frontend Development ruing React JS
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Assignment-3
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0	I Reactos Application Arabi
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	> React Js is a Jaluscript library fas brilding reser interfaces.
	companents.
1110	application (SPA) with fest, responsive
al d	Rey Components at React Js:
->	The belilding blocks at React
2.	JSX: 327 1
	valuering.
3.	A lightweight representation at the recoi DOM.
h.	Onidirectional Data Flow: Data Plows in one direction. Hop-

5	Steete & Props: Manage Dynamic dates and push between components.
	React Js Architecture : Component bressed obchitecture :
->	Component bused aschitectuses Applications are buit using ocular components.
2.	One-court delter Flows delter flows from present lamponer to child components through proper
-)	Updates use first reflected in the Virtual DOM and then efficiently
۷.	JSX: Simplifies the process et writing and maintaining UI code

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	React App Architecture
	Root Components
	React Component React DJ Component
1200100	React 127 component React UT component
	React Third party components
ridahm	Router Management React Animation
	Reuct Advunced Reuct REST Steet & Munugement API Munugement
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0.2	React JS (cass components"
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->	This Stretement coecites and gives form to React Component and gives form Component access to React Component Functions.
->	The company also a soul
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7 Amaria	coeute a class component culled
	rendez () {
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0.9	Franctional Components of Reactis:
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0.4	ReactJS Nested Components:
	We can setes to lamponents inside ather components:
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	A to the lives in my breedge? (h) who lives in my breedge? (h) who lives in my breedge?
	(cos 1)
); }

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	chocument : get Element By Id ('root'));
4	conditional Companents:
Lalling	De con use the if steetement Javascript oper where to decide which compan ent to render.
Ex.	frenction Missed Crouns
3-40	function (Nederon () 2 function (Nederon () 2
	Now, we'll correct conother component that chooses which camponent to sender bused on a condition:
	function Coul epops) { (onst 'i's coul = props. I scrul; if (i's coul) { Nude boul);
· 5	return < Missed Goulds;

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-//	Fourt render (< cool - 1's trout = & full = });
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	Try changing the is crown certainere
	(orst 500+ - React DOM. create 200+ (durament.)
21/4	get [lement By Id ('oull'));
	2001. render [(2001.1,2000 = 542163/7);
2]	1 onice 1 2781 Martin 100:
7	Another way to conditionally render
MEUF-ED J	a React Component is by resing the
	28 operatur
EN.	function (rurage (props) & const (cers = props. cors)
	const (1025 = props. (cers)
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root render (x crusuge 1/5);
Q.6 React JS State Management:
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component.
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-) when the state abject changes, the component re-renders.
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super(props);
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19-4	render() { Tetrern (<div) (<div)<="" td="" tetrern=""></div)>

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Ethis. steele. yews. Lips Charge color 3 > Charge Color X/buttein Edivs); }
8.7 React Props & are like function cettaibutes in Jaruscript and e.g. Add a "horma" and
e.g. Add a "hoond" coltribute to the cast const my Element - < car board="ford" />; The component receives the argument as a poops object.
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	You can control the Vulues at more. than one input field by cetaling a name cet tribute to each element.
71817	State Management: We use the useState hook to manage the form bute state object states He values at the form Pieiss.
2	Handling Input Changes: The handle Change franction repitables the fastmoute state wheneves an input value changes.
-5	It uses the spread operatus () to create new object with the updated field
3.	The hundle submit function is called a hen the feerm is submitted
->	It prevents the determine Farm Sabonissian behavious and logs the form Duter to the console,
THE !	You law replant the lansole log with your desired extrions, such as sending he duta to a server.

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