What is react :

Is javascript library for building user interfaces

Build single page apps

Reusable UI components

How react work:

Create virtual DOM in memory, only change what needs to changed

Get start with project react:

Install create-react-app: npm install -g create-react-app

Create easily by command: npx create-react-app ProjectName

Run react appt : cd ProjectName

npm start

React use ES6 standard.

RenderHTML: Using ReactDOM.render() function with 2 arguments : html code and HTML element

ex: ReactDOM.render(<p>Hello</p>, document.getElementById('root'));

Jsx (javascript xml) allow write html in react

Props: arguments pass to component, can set by: < ComponentName PropName: value> access by this.props.propName, read-only.

State : store properties of component ; access by this.state.propertyname , can chan by this.setState({property: value,…})

Lifecycle : mounting , update, and unmounting;

Mountig : contructor(),getDerivedStateFomProps(), render() and componentDidMount()

Update:getDerivedStateFromProps() shouldComponentUpdate(), render(),getSnapshotBeforeUpdate(),componentDidUpdate()

Unmounting: componentWillUnmount

Event: know how to create and process an event(onclick Event)

Note: "this" maybe is a window object, or button object,…

To be component object using arrow function or bind() function

Form: know how to create form by react, how to process input and submit event in form

Css : 3 ways to insert css to render html : by style element, by import file.css , or use css module

Sass : create css from server sent to client, can use variable