**React - Components, State, Props**

1. **What is React Js?**

**React is a JavaScript library for creating user interfaces.**

**React is a JavaScript library created by Facebook**

**React is a User Interface (UI) library**

**React is a tool for building UI components**

1. **What is NPM in React Js?**

**npm is an abbreviation used for the node package manager. It is a package manager for JavaScript. It is the default package manager that comes with NodeJS when you install it.**

1. **What is Role of Node Js in react Js ?**

**High Server Load: Using Node JS with React can help in handling requests and maintaining server load balance. JSON APIs: You can easily build JSON APIs for your application using Node JS. The reusability of the code enables sharing within React JS.**

1. **What is CLI command In React Js ?**

**ReactCLI is a ReactJS component that provides a simple way to present a command line interface to your user in your web app.**

1. **What is Components In React Js ?**

**Components are independent and reusable bits of code. They serve the same purpose as JavaScript functions, but work in isolation and return HTML. Components come in two types, Class components and Function components, in this tutorial we will concentrate on Function components.**

1. **What is Header and Content Components in React Js?**

**Header: Header Components use to make Navbar or any title in webpage.**

**Content : Content Components use to include the content of body in react webpage.**

1. **How to install React Js on Windows, linux Operating System?**

**React JS on Windows :**

1. **Install Node js**
2. **Check npm And node**
3. **Open Terminal ( CMD or Powershell)**
4. **Go in the Folder in main project folder**
5. **For make new project : Create-react-app\_(project name)**
6. **Cd (Project\_name)**
7. **Npm start**

**React JS on linux :**

1. **Install Node. js. Node. ...**
2. **Create A New React Application. You can create a React. ...**
3. **Start React Application. Once you have created your React application.**
4. **Create React. js Production Build.**
5. **13 Best Linux Terminal Emulators and Bash Editors. 8 Mins Read.**

**8. How to install NPM and How to check version of NPM ?**

**You dont have to install npm its includes nodejs when you install nodejs in ur system its install npm defualt and if you want to check version of npm then type npm -v in CMD**

**9. How to Check version of React Js ?**

**Step 1 : go in project folder**

**Step 2 : go in package.json**

**Step 3 : see the react js version and react dom version**

**"react": "^17.0.2",**

**"react-dom": "^17.0.2",**

**10. How to change in components of React Js ?**

**You can convert a function component like Clock to a class in five steps:**

1. **Create an ES6 class, with the same name, that extends React. ...**
2. **Add a single empty method to it called render() .**
3. **Move the body of the function into the render() method.**
4. **Replace props with this. ...**
5. **Delete the remaining empty function declaration.**

**11. How to Create a List View In React Js?**

**class App extends React.Component {**

**constructor(props) {**

**super(props);**

**this.state = {**

**movies: [**

**{ id: 1, title: 'The Shawshank Redemption (1994)' },**

**{ id: 2, title: 'The Godfather (1972)' },**

**{ id: 3, title: 'The Godfather: Part II (1974)' },**

**{ id: 4, title: 'The Dark Knight (2008)' },**

**{ id: 5, title: '12 Angry Men (1957)' },**

**{ id: 6, title: 'Schindler\'s List (1993)' },**

**{ id: 7, title: 'The Lord of the Rings: The Return of the King (2003)' },**

**{ id: 8, title: 'Pulp Fiction (1994)' }**

**],**

**moreMovies: [**

**{ id: 1, title: 'The Good, the Bad and the Ugly (1966)' },**

**{ id: 2, title: 'Fight Club (1999)' },**

**{ id: 3, title: 'The Lord of the Rings: The Fellowship of the Ring (2001)' },**

**{ id: 4, title: 'Forrest Gump (1994)' },**

**{ id: 5, title: 'Star Wars: Episode V - The Empire Strikes Back (1980)' },**

**{ id: 6, title: 'Inception (2010)' },**

**{ id: 7, title: 'The Lord of the Rings: The Two Towers (2002)' },**

**{ id: 8, title: 'One Flew Over the Cuckoo\'s Nest (1975)' }**

**]**

**};**

**}**

**render() {**

**return (**

**<mobiscroll.Form>**

**<mobiscroll.FormGroup>**

**<mobiscroll.FormGroupTitle>Simple</mobiscroll.FormGroupTitle>**

**<mobiscroll.Listview**

**itemType={ListItem}**

**data={this.state.movies}**

**/>**

**</mobiscroll.FormGroup>**

**<mobiscroll.FormGroup>**

**<mobiscroll.FormGroupTitle>Striped</mobiscroll.FormGroupTitle>**

**<mobiscroll.Listview**

**itemType={ListItem2}**

**data={this.state.moreMovies}**

[**striped**](https://docs.mobiscroll.com/4-10-10/react/listview#opt-striped)**={true}**

**/>**

**</mobiscroll.FormGroup>**

**</mobiscroll.Form>**

**);**

**}**

**}**

**12. How to Create a Text Input in React Js ?**

**import React from 'react'**

**function Field() {**

**return (**

**<div>**

**<input type="{text}" placeholder="enter your name" />**

**<button>clickme</button>**

**</div>**

**)**

**}**

**export default Field**

**13. Create Increment decrement state change by button click?**

**import React,{Component} from 'react'**

**export class LifeMain extends Component {**

**constructor()**

**{**

**super();**

**this.state={**

**number:"1",**

**name:"dhruv"**

**}**

**}**

**render() {**

**return (**

**<div className='container'>**

**<button onClick={()=> this.setstate({number:+this.state.number+1})}>+</button>**

**<h1>{this.state.number}</h1>**

**<button onClick={()=> this.setstate({number:this.state.number-1})}>-</button>**

**</div>**

**)**

**}**

**}**

**export default LifeMain**