**State and Life Cycle in Class Component**

Class component is statefull. When we pass parameter to this component we can receive these parameter into this.

To work modular way we will write all the components into separate file. component name should be in capital letter.

**Props** will be changed outside of the component where we mainly pass data as parameter from outside.

But **state** will be changed inside component. Mainly component data will be changed and changing functionality will be remained inside component.

Component is like database. It is functional and it is state full. State is component data. To changed component data we should write code react way.

React know only state data means component data. But props is mainly from outside data. When we pass data from outside react only one showed this data. But when we use state data then react know this state data and changed the UI mainly data of the component when the value of the state will be changed.

**React.Component** has **state** property. State is simple object. It hold the data.

To initialize something in class we need to use constructor.

When state is change then react will reacted and call the render method again in class component

import React from "react";

class Clock extends React.Component {

  // constructor

  constructor(props) {

    super(props);

    this.state = {

      date: new Date(),

    };

  }

  render() {

    return (

      <h1 className="heading">

        <span className="text">

          {this.state.date.toLocaleTimeString(this.props.locale)}

        </span>

      </h1>

    );

  }

}

export default Clock;

we have a method set state to change the value of the state. When state value is changed by the setState method the UI data will be changed and re render.