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| **Lab No** | 8 | **Reg. No** | 2170388 |
| **Student Name** | Muhammad Tayyab | **Section** | B |

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| Solution Task 2 |
| import React from "react";  import ReactDOM from "react-dom";  import "./styles.css";  class TimerInput extends React.Component {  render() {  return (  <div style={{marginLeft:100}}>  <h3>Input your desired time</h3>  <input type="number" value={this.props.value} onChange={this.props.handleChange} required />  </div>  );  }  }  class Timer extends React.Component {  render() {  return (  <div>  <h1 style={{ fontSize: 100, marginLeft:100 }}>{this.props.value}:{this.props.seconds}</h1>  </div>  );  }  }  class StartButton extends React.Component {  render() {  return (  <div style={{ marginLeft: 130 }}>  <button className="btn btn-lg btn-success" disabled={!this.props.value} onClick={this.props.startCountDown}>Start</button>  </div>  );  }  }  class App extends React.Component {  constructor(props) {  super(props);  this.state = {  seconds: '00',  value: '',  isClicked : false  }  this.secondsRemaining;  this.intervalHandle;  this.handleChange = this.handleChange.bind(this);  this.startCountDown = this.startCountDown.bind(this);  this.tick = this.tick.bind(this);  }  handleChange(event) {  this.setState({  value: event.target.value  })  }  tick() {  var min = Math.floor(this.secondsRemaining / 60);  var sec = this.secondsRemaining - (min \* 60);  this.setState({  value: min,  seconds: sec,  })  if (sec < 10) {  this.setState({  seconds: "0" + this.state.seconds,  })  }  if (min < 10) {  this.setState({  value: "0" + min,  })  }  if (min === 0 & sec === 0) {  clearInterval(this.intervalHandle);  }  this.secondsRemaining--  }  startCountDown() {  this.intervalHandle = setInterval(this.tick, 1000);  let time = this.state.value;  this.secondsRemaining = time \* 60;  this.setState({  isClicked : true  })  }  render() {  const clicked = this.state.isClicked;  if(clicked){  return (  <div>  <div className="row">  <div className="col-md-4"></div>  <div className="col-md-4">  <Timer value={this.state.value} seconds={this.state.seconds} />  </div>  </div>  </div>  );  }else{  return (  <div>  <div className="row">  <div className="col-md-4"></div>  <div className="col-md-4">  <TimerInput value={this.state.value} handleChange={this.handleChange} />  <Timer value={this.state.value} seconds={this.state.seconds} />  <StartButton startCountDown={this.startCountDown} value={this.state.value} />  </div>  </div>  </div>  );  }  }  }  const rootElement = document.getElementById("root");  ReactDOM.render(<App />, rootElement); |

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| Solution Task 2 |
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| Solution Task 3 |
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