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Abstract

Introduction to React.JS

AdvanceD programming LAB 08

NODE JS

BSCS 7B

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| TASK01 |
| Task Code:  App.js  import React from 'react';  import logo from './logo.svg';  import './App.css';  import Greet from './components/Greet'  import MyComp from './components/Greet'  import Welcome from './components/Welcome'  import Hello from './components/Hello'  import Counter from './components/Counter'  function App() {    return (      <div className="App">        <Counter />        <header className="App-header">          <img src={logo} className="App-logo" alt="logo" />          <p>            <Greet name ="SMAKBAR" heroName="SUPERNAME"/>            <Welcome />          </p>          <a            className="App-link"            href="https://reactjs.org"            target="\_blank"            rel="noopener noreferrer"          >            Learn React          </a>        </header>      </div>    );  }  export default App;  Welcome.js  import React,{Component} from 'react';  class Welcome extends Component {      constructor(){          super()          this.state={message: "welcome visitor"}      }      changeMessage(){          this.setState({              message: "Thank you for subscribing"          })      }      render(){          return (              <div>                  <h1>{this.state.message}</h1>                  <button onClick={()=>this.changeMessage()}>Subscribe</button>              </div>          )      }  }  export default Welcome  Counter.js  import React, { Component } from 'react'  class Counter extends Component {      constructor(props) {          super(props)            this.state = {               count: 0,               message: "You have not clicked"          }          this.messaging = this.messaging.bind(this)      }        incerment(){          // this.setState({          //     count: this.state.count + 1          // }, () => {console.log('Callback value', this.state.count)}          // )          this.setState(prevState => ({              count: prevState.count + 1          }))      }      messaging(){          this.setState({              message: "You clicked"          })      }      render() {          return (              <div>                  <div>count - {this.state.count}</div>                  <button onClick={()=>this.incerment()}>Increment</button>                  <div>Click Me - {this.state.message}</div>                  {/\*<button onClick={this.messaging.bind(this)}>Increment</button>\*/}                  {/\*<button onClick={() => this.messaging()}>Increment</button>\*/}                  <button onClick={this.messaging}>Click Me!</button>              </div>          )      }  }  export default Counter  Task Output Screenshot: |

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| TASK02 |
| Task Code:  import React, {Component} from 'react'  class Timer extends Component{      constructor(props){          super(props)          this.state = {              seconds: 0,              minutes: 10          }          this.settingTimer = this.settingTimer.bind(this);      }      updateTime(){          console.log(this.state.minutes, this.state.seconds)          if(this.state.minutes === 0 && this.state.seconds === 0) {              clearInterval(this.intervalId);              return          }else if(this.state.seconds === 0){              this.setState({                  seconds: 59,                  minutes: this.state.minutes - 1              })          }else{              this.setState({                  seconds: this.state.seconds - 1              })          }      }      startTimer(){            setInterval(this.updateTime.bind(this), 1000);      }      settingTimer(event){          this.setState({              minutes: event.target.value          })      }      render(){          return(              <div>                  <h1> TIMER </h1>                  <h2> TASK 02 </h2>                  <p></p>                  <p></p>                  <label>                  Minutes:                  <input type="number" value={this.state.value} onChange={this.settingTimer} />                  </label>                  <h1>                      {this.state.minutes} : {this.state.seconds}                  </h1>                  <button onClick={() => this.startTimer()}>Start</button>              </div>          )      }  }  export default Timer  Task Output Screenshot: |