**Department of Computing**

**CS-213: Advanced Programming**

**Class: BSCS 7AB**

**Lab 08: React JS**

**Date: 07 November, 2019**

**Time: 10:00-01:00pm & 02:00-05:00pm**

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**Lab Engineer: Ms. Ayesha Asif**

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**Task 2 Code: (Clock)**

import React from 'react';

import logo from './logo.svg';

import './App.css';

class Clock extends React.Component{

  constructor(props){

  super(props);

  this.state={minutes: 0, secs:0}

  this.tick = this.tick.bind(this);

  this.setTimer = this.setTimer.bind(this);

  this.tick2 = this.tick2.bind(this);

  }

  tick(props) {

    this.setState({secs:59, minutes: this.state.minutes-1})

    this.timerID=setInterval(this.tick2,1000 );

    console.log("the linked was click")

  };

  tick2(props){

    this.setState({secs:this.state.secs-1})

    var s =this.state.secs;

    if(s==0){

      this.setState({minutes:this.state.minutes-1,secs:59})

    }

    var m = this.state.minutes;

    if(m<0 && (s<=0 )){

      this.setState({secs:0, minutes: 0})

      clearInterval(this.timerID);

    }

    console.log(s);

  }

setTimer({target}){

    this.setState({minutes: target.value, secs:0})

    console.log("wow"+ target.value );

}

  render(){

    return(

      <div>

        <h1>Input your desired time</h1>

        <input type='number' onChange={this.setTimer}></input>

        <h1>{this.state.minutes}:{this.state.secs}</h1>

        <button onClick={this.tick} >Start</button>

      </div>

    );

  }

}

export default Clock ;

Output:

