**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**

**Instructor: Dr. Sidra Sultana**

**Lab Engineer: Ms. Ayesha Asif**

**Sarah Tayyab**

**212902**

**Lab 08: ReactJS States**

**Lab Tasks**

1. Create a timer application which asks the user for minutes. The user then click Start button and starts the timer count down.

**Code:**

import React, { Component } from 'react';

class App extends Component {

constructor() {

super();

this.state = {minutes: 0 };

this.state = {seconds: 0 };

this.startTimer = this.startTimer.bind(this);

this.countDown = this.countDown.bind(this);

}

startTimer(event) {

this.setState({

minutes:event.target.value

});

}

start= (event)=>{

event.preventDefault();

if (this.state.minutes > 0) {

setInterval(this.countDown, 1000);

}

}

countDown() {

if(this.state.seconds==0){

let min= this.state.minutes -1;

this.setState({

minutes: min,

seconds: 59,

});

}

else{

let sec= this.state.seconds -1;

this.setState({

seconds: sec,

});

}

}

render() {

return(

<div>

<h1> TIMER </h1>

<h3> Number of minutes: </h3>

<form onSubmit={this.start}>

<input type='text' name='num' onChange={this.startTimer}/>

<input type="submit"/> <br/> <br/>

</form>

<h1>min:{this.state.minutes} sec:{this.state.seconds} </h1>

</div>

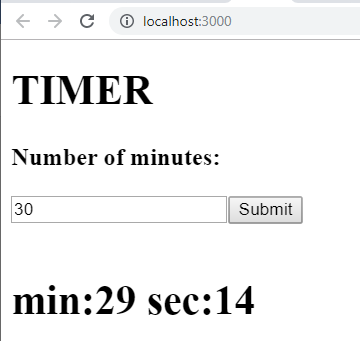
);

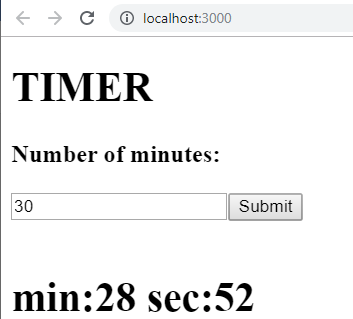
}

}

export default App;

**Output:**

****

****