**REACT HandsOnLAB - 11**

In this hands-on lab, you will learn how to:

* Implement Event handling concept in React applications
* Use this keyword
* Use synthetic event

Create a React Application “eventexamplesapp” to handle various events of the form elements in HTML

App.js

import React, { Component } from 'react';

import CurrencyConvertor from './CurrencyConvertor';

import './App.css';

class App extends Component {

  constructor(props) {

    super(props);

    this.state = {

      count: 0,

    };

    this.increment = this.increment.bind(this);

    this.decrement = this.decrement.bind(this);

    this.sayHello = this.sayHello.bind(this);

    this.handleMultiClick = this.handleMultiClick.bind(this);

    this.sayWelcome = this.sayWelcome.bind(this);

    this.handleSyntheticEvent = this.handleSyntheticEvent.bind(this);

  }

  increment() {

    this.setState({ count: this.state.count + 1 });

  }

  decrement() {

    this.setState({ count: this.state.count - 1 });

  }

  sayHello() {

    alert('Hello! Member!');

  }

  handleMultiClick() {

    this.increment();

    this.sayHello();

  }

  sayWelcome(message) {

    alert(message);

  }

  handleSyntheticEvent(event) {

    console.log(event);

    alert('I was clicked');

  }

  render() {

    return (

      <div className="App">

        <h2>{this.state.count}</h2>

        <button onClick={this.handleMultiClick}>Increment</button>

        <button onClick={this.decrement}>Decrement</button>

        <button onClick={() => this.sayWelcome('welcome')}>Say welcome</button>

        <button onClick={this.handleSyntheticEvent}>Click on me</button>

        <hr />

        <CurrencyConvertor />

      </div>

    );

  }

}

export default App;

CurrencyConvertor.js

import React from 'react'

export class CurrencyConverter extends React.Component{

    constructor(){

        super();

        this.state={number:0};

        this.handleSubmit=this.handleSubmit.bind(this);

        this.change=this.change.bind(this);

    }

    change(event){

        this.setState(

         {number:event.target.value}

        );

    }

    handleSubmit(){

        var num=parseInt(this.state.number);

        alert("Converting to Euro Amount is "+(num\*0.011));

    }

render(){

    return(

    <form onSubmit={this.handleSubmit}>

        <table>

            <h2 style={{color:"green"}}>Currency Convertor!!!</h2>

            <tr>

                <td><label>Amount:</label></td>

                <td><input onChange={this.change}type="text"/><br/></td>

            </tr>

            <tr>

                <td><label>Currency!</label></td>

                <td><input type="text"/></td>

            </tr>

            <tr>

                <td></td>

                <td><input type='submit'/></td>

            </tr>

        </table>

    </form>

    )

}

}

export default CurrencyConverter;









