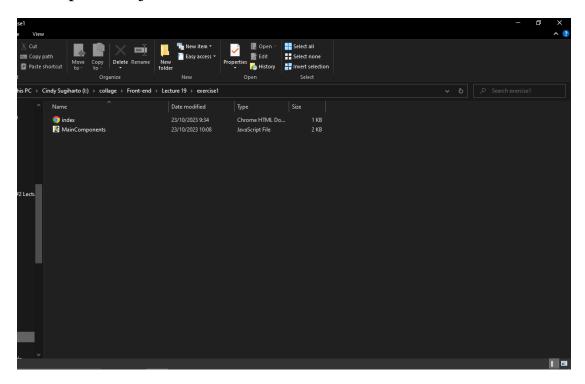
Sugiharto, Amelia C

Front-End Web Development

Lecture19 - ReactJS Events Management & Conditionals

#Exercise1

Langkah 1: Buatlah folder baru untuk memasukkan file index.html dan MainComponents.js



Langkah 2: Ketikan code index.html dan MainComponents.js dan save lalu masukkan pada folder baru tadi

```
- 🗇 ×
| I:\collage\Front-end\Lecture 19\exercise1\index.html - Notepad++
  File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
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                    <!DOCTYPE html>
<html lang="en":
                                     <title>Calculator</title>
                                   <ititle>Calculator
cmta charge="utf-="0">

cmta charge="utf-="0">

cmta name="viewport" content="width=device-width, initial-scale=1">

cscript src="https://unpkg.com/react516/umd/react.production.min.js">
cscript src="https://unpkg.com/react-dom@16/umd/react-dom.production.min.js">
cscript src="https://unpkg.com/pabel=standalone@6.15.0/babel.min.js">
cscript src="./MainComponents.js" type="text/babel">
cscript src="./MainComponents.js" type="text/babel">
cscript src="./MainComponents.js"
                                     <div id="app"></div>
                                                                                                                                                                                                                                                                                              Ln:16 Col:8 Pos:541
                                                                                                                                                                                                                                                                                                                                                                                         Windows (CR LF) UTF-8
Hyper Text Markup Language file
                                                                                                                                                                                                                  length: 540 lines: 16
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☑ I:\collage\Front-end\Lecture 19\exercise1\MainComponents.js - Notepad++

 File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
  🔚 index.html 🗵 🔚 MainComponents.js 🗵
                         class Header extends React.Component {
    constructor () {
        super();
        //membuat objek state
                                               this.state = {
    angkal: "0",
    angka2: "0",
    result: "0"
                                    setValue1 = (val1) => { this.setState ({ angkal:""+val1}); }
setValue2 = (val2) => { this.setState ({ angka2:""+val2}); }
                                    funcMultiply = (val) => {
   var hasil = parseInt(this.state.angkal) * parseInt (this.state.angka2);
   this.setState({ result: ""+hasil });
                                     funcDivide = (val) => {
                                               var hasil = parseInt(this.state.angkal) / parseInt (this.state.angka2);
this.setState({ result: ""+hasil });
                                     funcSubtract = (val) => {
   var hasil = parseInt(this.state.angkal) - parseInt (this.state.angka2);
   this.setState({ result: ""+hasil });
                                    fmcAdd = (val) => {
   var hasil = parseInt(this.state.angkal) + parseInt (this.state.angka2);
   this.setState({ result: ""+hasil });
                                                return (
<div>
                                                            <hl>Simple Calculator ReactJs</hl>
                                                          chl>Simple Calculator ReactUs
cluster ReactUs
clu
```

length: 1.531 lines: 49

JavaScript file

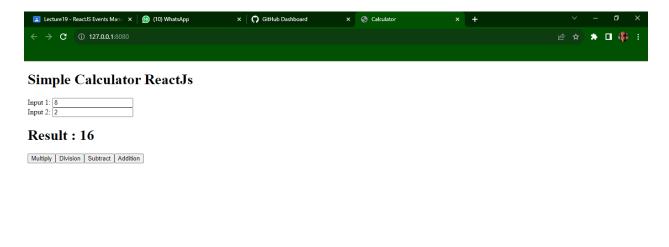
Windows (CR LF) UTF-8

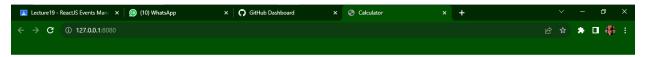
```
- 🗇 ×
I:\collage\Front-end\Lecture 19\exercise1\MainComponents.js - Notepad++
 | The Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
                                                                          setValue1 = (val1) => { this.setState ({ angkal:""+val1}); }
setValue2 = (val2) => { this.setState ({ angka2:""+val2}); }
                                                                       funcMultiply = (val) => {
  var hasil = parseInt(this.state.angkal) * parseInt (this.state.angka2);
  this.setState({ result: ""+hasil });
                                                                        funcDivide = (val) => {
                                                                                              var hasil = parseInt(this.state.angkal) / parseInt (this.state.angka2);
this.setState({ result: ""+hasil });
                                                                        funcSubtract = (val) => {
  var has11 = parseInt(this.state.angka1) - parseInt (this.state.angka2);
  this.setState((result: ""+has1));
                                                                        funcAdd = (val) => {
  var hasil = parseInt(this.state.angkal) + parseInt (this.state.angka2);
  this.setState({ result: ""+hasil });
                                                                        render () {
                                                                                               <div>
                                                                                                                    \label{local_local_local} $$\min_{1: \le n \le 1} \left(\frac{1}{n} \right) - \left(\frac{1}
                                                                                                                    dor/>
Input 2: <input value={this.state.angka2} onChange={(e) => {this.setValue2(e.target.value)}}/>
dor/>
dolPResult : {this.state.result}</hl>
doubton onClick={this.funcMultiply>Multiply</button>
doubton onClick={this.funcDultipl>Division</bd>
doubton onClick={this.funcDultipl>Division</bd>
doubton onClick={this.funcDultipl>Division</bd>
doubton onClick={this.funcDultipl>Division</bd>
doubton onClick={this.funcDultipl>Division</br>
doubton onClick={this.funcDultipl</br>

                                                                                                                       <button onClick={this.funcAdd}>Addition</button>
                                                                                               </div>
                                                   ReactDOM.render(<Header />, document.getElementById("app"));
 JavaScript file
                                                                                                                                                                                                                                                                                                                                                                                                                                    length: 1.531 lines: 49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ln:49 Col:61 Pos:1.532
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Windows (CR LF) UTF-8
```

Langkah 3: Kemudian run cmd pada folder yang berisi 2 file di atas dan ketik live-server lalu enter.

Hasil Ouptnya:





Simple Calculator ReactJs

Input 1: 8 Input 2: 2

Result: 4

Multiply Division Subtract Addition



Result: 6

Multiply Division Subtract Addition



Simple Calculator ReactJs

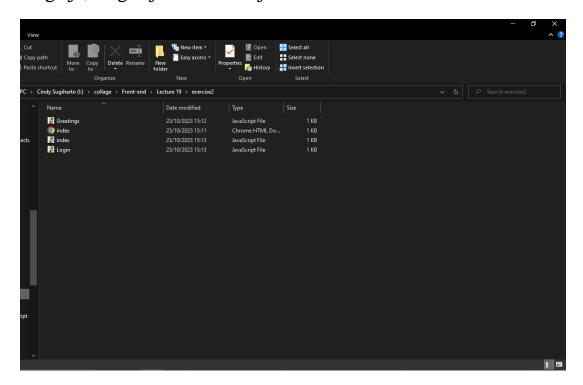
Input 1: 8 Input 2: 2

Result: 10

Multiply Division Subtract Addition

#Exercise2

Langkah 1: Buatlah folder baru untuk memasukkan file index.html, Greetings.js, Login.js dan index.js



Langkah 2: Ketikan code nya lalu save dan masukkan pada folder baru tadi

```
- \square \times
  📙 index.html 🗵 🔚 Greetings.js 🗵 🔡 Login.js 🗵 📙 index.js 🗵
                <!DOCTYPE html>
<html lang="en":
                            <title>CSS test</title>
                     ctitle>GSS test</title>
cmeta charset="utif-8">
cmeta name="viewport" content="width=device-width, initial-scale=1">
cmeta name="viewport" content="width=device-width, initial-scale=1">
cscript src="https://unpkg.com/react316/und/react.production.min.js"></script>
cscript src="https://unpkg.com/react-dom816/und/react-dom.production.min.js"></script>
cscript src="https://unpkg.com/react-dom816/und/react-dom.production.min.js"></script>
cscript src="https://unpkg.com/react-dom816/und/react-dom.production.min.js"></script>
cscript src="https://unpkg.com/react-dom816/und/react-dom.production.min.js"></script>
cscript src="https://unpkg.com/react-dom816/und/react-dom.production.min.js"></script>
cscript src="./login.js" type="text/babel"></script>
cscript src="./index.js" type="text/babel"></script>
cscript src="./index.js" type="text/babel"></script>
cheaty
                             <div id="app"></div>
                                                                                                                                                               length: 641 lines: 17
                                                                                                                                                                                                                        Ln:17 Col:8 Pos:642
                                                                                                                                                                                                                                                                                              Windows (CR LF) UTF-8
Hyper Text Markup Language file
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 !\collage\Front-end\Lecture 19\exercise2\Greetings.js - Notepad++
 File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
  🔚 index.html 🗵 🔚 Greetings.js 🗵 📇 Login.js 🗵 🛗 index.js 🗵
                function UserGreeting(props) {
    return <hl>Welcome back!</hl>;
                function GuestGreeting(props) {
                           return <hl>Please sign up.</hl>;
                function Greeting(props) (
    const isLoggedIn = props.isLoggedIn;
    if (isLoggedIn) (
        return <UserGreeting />;
```

JavaScript file

Ln:14 Col:2 Pos:290

Windows (CR LF) UTF-8

```
- □ ×
+ ▼ ×
📙 index.html 🗵 📙 Greetings.js 🗵 📙 Login.js 🗵 📙 index.js 🗵
           function LogoutButton(props) (
           Logout </button>
                                                                      Windows (CR LF) UTF-8
JavaScript file
                                                                                                                                                        INS

☑ I:\collage\Front-end\Lecture 19\exercise2\index.js - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
statuce. (p.c.);
super (props);
this.handleLoginClick this.handleLoginClick.bind(this);
this.handleLogoutClick = this.handleLogoutClick.bind(this);
this.state = (isLoggedIn: false );
            handleLoginClick() {
   this.setState({isLoggedIn: true});
 10
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32
33
            handleLogoutClick() {
   this.setState({isLoggedIn: false });
            render() {
   const isLoggedIn= this.state.isLoggedIn;
   let button;
               let button;
if (isLoggedIn) {
    button= <LogoutButton onClick={this.handleLogoutClick} />;
                   button= <LoginButton onClick={this.handleLoginClick} />;
               ReactDOM.render (<LoginControl />, document.getElementById("app"));
```

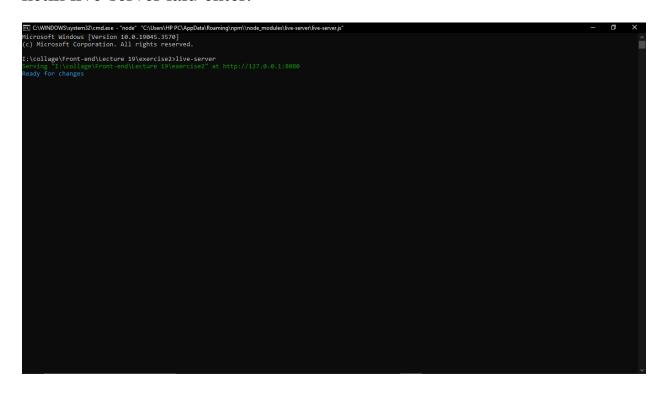
length: 796 lines: 33

JavaScript file

Ln:33 Col:68 Pos:797

Windows (CR LF) UTF-8

Langkah 3: Kemudian run cmd pada folder yang berisi 4 file di atas dan ketik live-server lalu enter.



Hasil Output:



Please sign up.

Login



Welcome back!

Logout