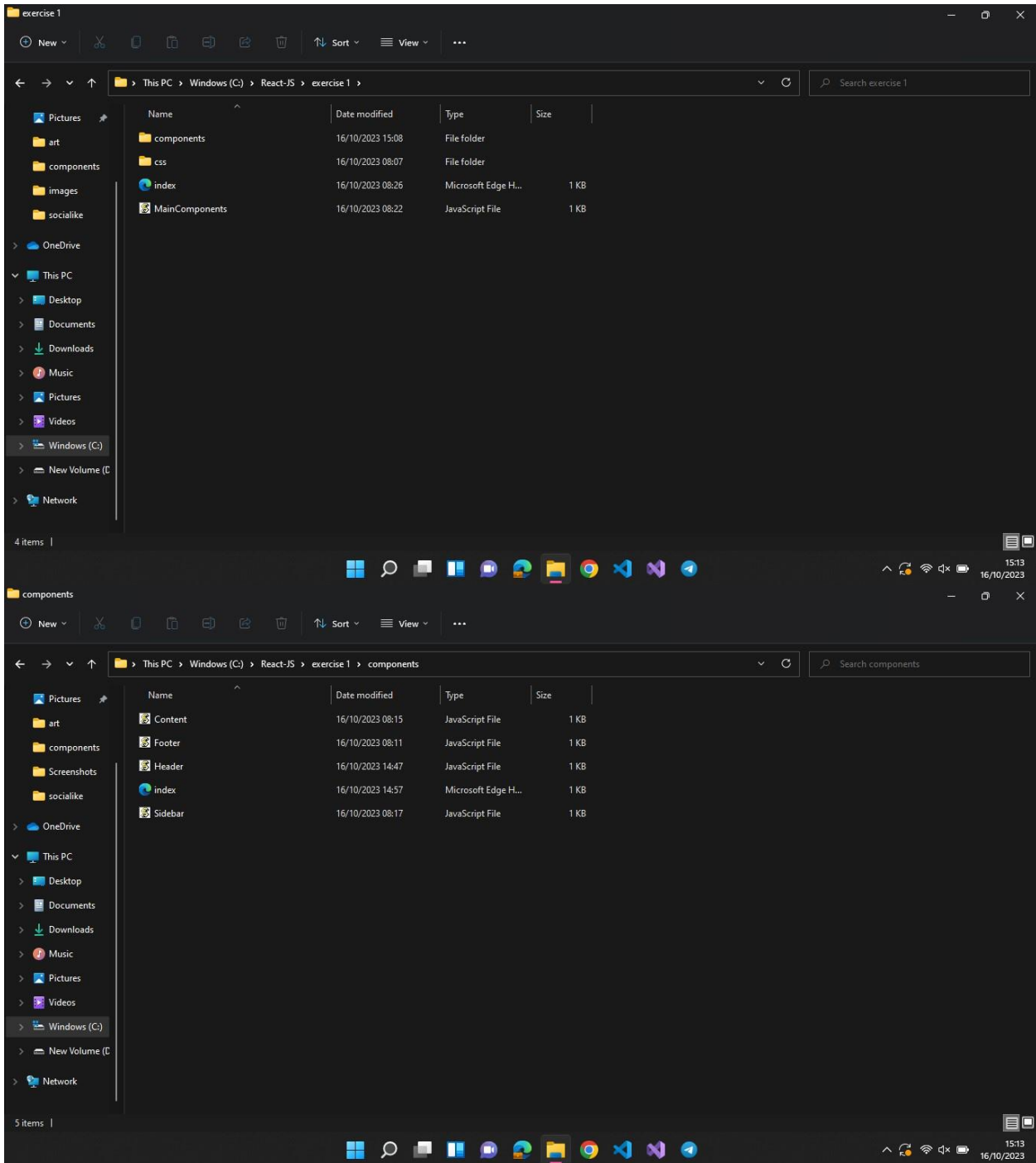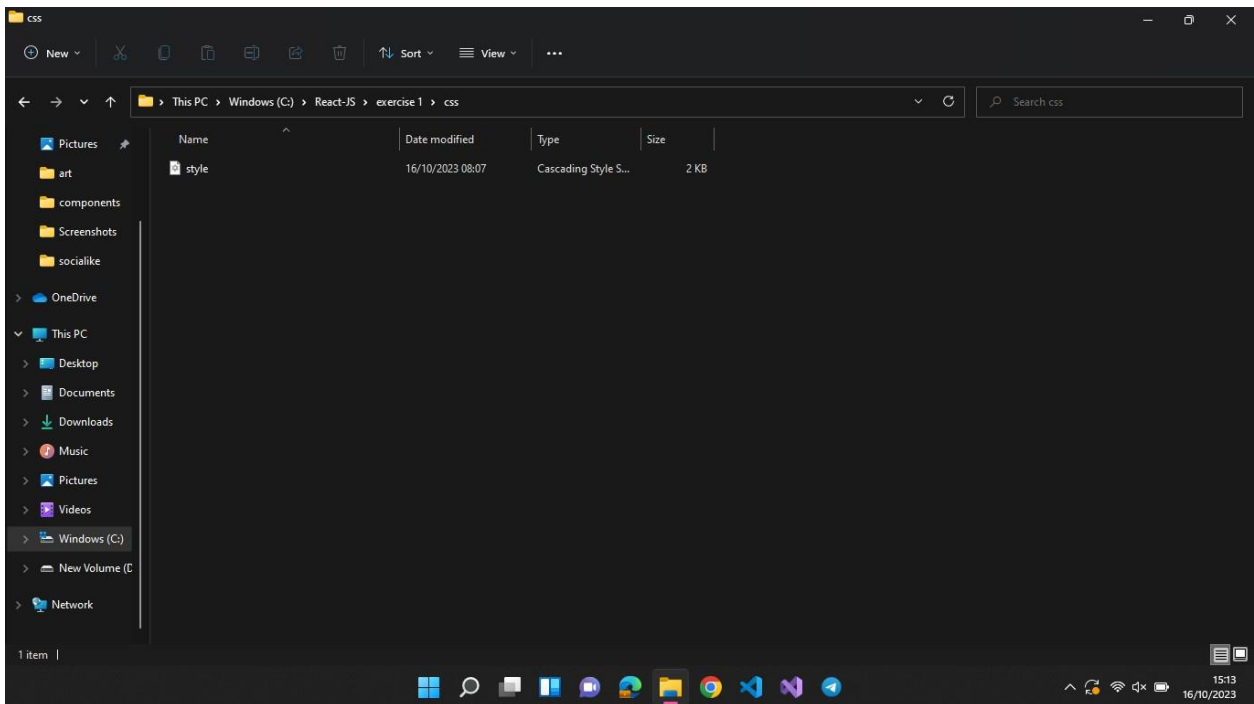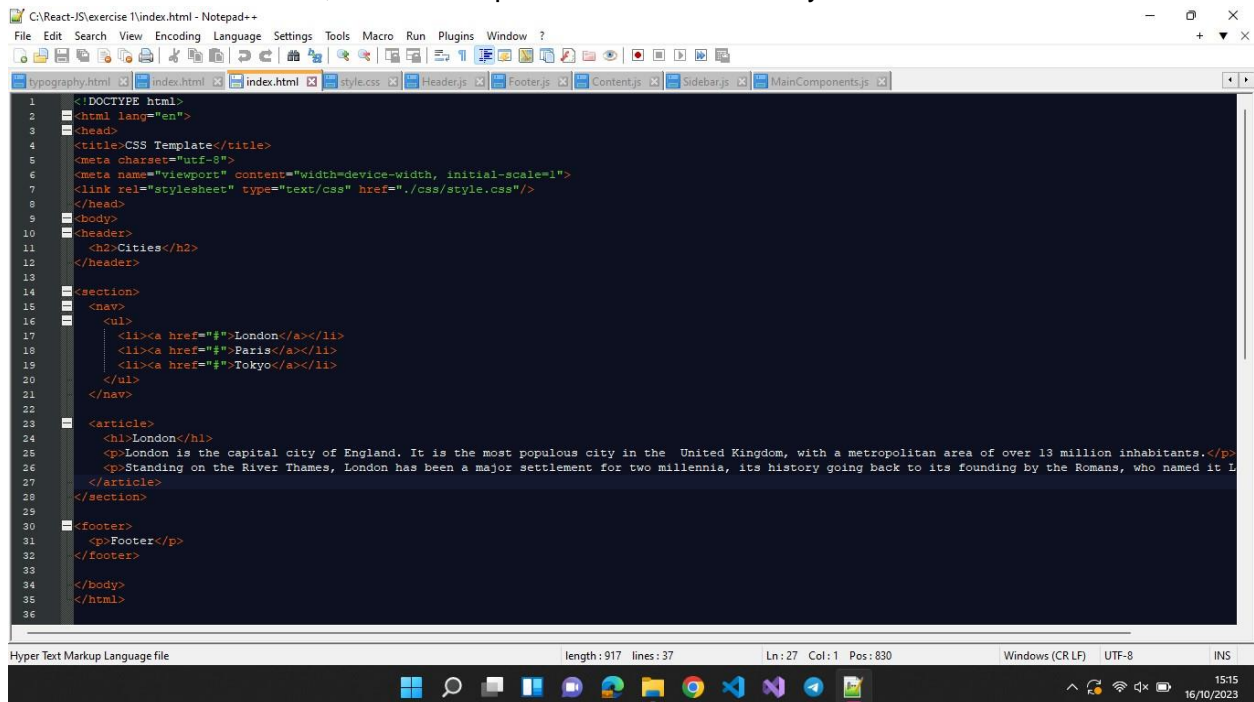# Class Activity Lecture#17

- Buat directory baru di folder React-JS
- Didalm directory ini akan diisi file-file html,javascript dan css

- Buat file index.html, file ini ditempatkan di dalam directory exercise 1

- Lalu buat file MainComponents.js, file ini juga ditempatkan di directory exercise 1


```javascript
"use strict";

class App extends React.Component{
    constructor(props){
        super(props);
    }
    render(){
        return(
            <div>
                <header>HeaderPage/></header>
                <section>
                    <nav><SidebarPage/></nav>
                    <article><ContentPage/></article>
                </section>
                <footer><FooterPage/></footer>
            </div>
        )
    }
}

ReactDOM.render(<App/>, document.getElementById("app"));
```

- Lalu buat file style.css, file ini ditempatkan di dalam folder css


```css
nav ul {
    list-style-type: none;
    padding: 0;
}

article {
    float: left;
    padding: 20px;
    width: 70%;
    background-color: #f1f1f1;
    height: 300px; /* only for demonstration, should be removed */
}

/* Clear floats after the columns */
section::after {
    content: "";
    display: table;
    clear: both;
}

/* Style the footer */
footer {
    background-color: #777;
    padding: 10px;
    text-align: center;
    color: white;
}

/* Responsive layout - makes the two columns/boxes stack on top of each other instead of next to each other, on small screens */
@media (max-width: 600px) {
    nav, article {
        width: 100%;
        height: auto;
    }
}
```

- Kemudian buat file index.html, Header.js, Sidebar.js, Content.js, dan Footer.js, semua file ini ditempatkan di folder components

C:\React-JS\exercise 1\components\index.html - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

typography.html | index.html | index.html | style.css | Header.js | Footer.js | Content.js | Sidebar.js | MainComponents.js

```html
<!DOCTYPE html>
<html lang="en">
<head>
<title>CSS test</title>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<script src="https://unpkg.com/react@16/umd/react.production.min.js"></script>
<script src="https://unpkg.com/react-dom16/umd/react-dom.production.min.js"></script>
<script src="https://unpkg.com/babel-standalone@6.15.0/babel.min.js"></script>
<link rel="stylesheet" type="text/css" href="./css/style.css"/>
<script src="./components/Header.js" type="text/babel"></script>
<script src="./components/Sidebar.js" type="text/babel"></script>
<script src="./components/Content.js" type="text/babel"></script>
<script src="./components/Footer.js" type="text/babel"></script>
<script src="./components/MainComponents.js" type="text/babel"></script>
</head>
<body>
<div id+"app"></div>
</body>
</html>
```

Hyper Text Markup Language file   length : 869   lines : 20   Ln : 19   Col : 8   Pos : 861   Windows (CR LF)   UTF-8   INS

15:15
16/10/2023

C:\React-JS\exercise 1\components\Header.js - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

typography.html | index.html | index.html | style.css | Header.js | Footer.js | Content.js | Sidebar.js | MainComponents.js

```javascript
class HeaderPage extends React.Component{
    render(){
        return(
            <h2>Cities</h2>
        );
    }
}
```

JavaScript file   length : 97   lines : 7   Ln : 7   Col : 2   Pos : 98   Windows (CR LF)   UTF-8   INS

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16/10/2023

C:\React-JS\exercise 1\components\Sidebar.js - Notepad++

```javascript
class SidebarPage extends React.Component{
    render(){
        return(
            <ul>
                <li><a href="#"> London</a></li>
                <li><a href="#"> Paris</a></li>
                <li><a href="#"> Tokyo</a></li>
            </ul>
        );
    }
}
```

JavaScript file   length : 209   lines : 11   Ln : 8   Col : 18   Pos : 197   Windows (CR LF)   UTF-8   INS

C:\React-JS\exercise 1\components\Content.js - Notepad++

```javascript
class ContentPage extends React.Component{
    render(){
        return(
            <div>
            <h1>London</h1>
            <p>London is the capital city of England. It is the most
            populous city in the United Kingdom, with a metropolitan Area
            of over 13 million inhabitants.</p>
            <p>Standing on the River Themes, London has been a major
            settlement for two millenis, its history going back to its
            founding by the Romans. who named it Londinium.</p>
            </div>
        );
    }
}
```

JavaScript file   length : 467   lines : 15   Ln : 12   Col : 19   Pos : 455   Windows (CR LF)   UTF-8   INS

- Output

Cities

London
Paris
Tokyo

London

London is the capital city of England. It is the most populous city in the United Kingdom, with a metropolitan area of over 13 million inhabitants.

Standing on the River Thames, London has been a major settlement for two millennia, its history going back to its founding by the Romans, who named it Londinium.

Footer