

TUGAS PERORANGAN/INDIVIDU

Disusun sebagai

Laporan Praktikum Redux

oleh :

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TI – 3A / 17



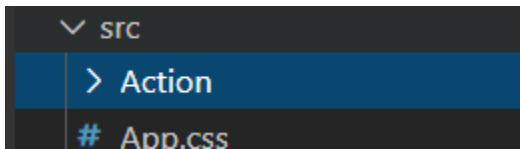
PROGRAM STUDI D-IV TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

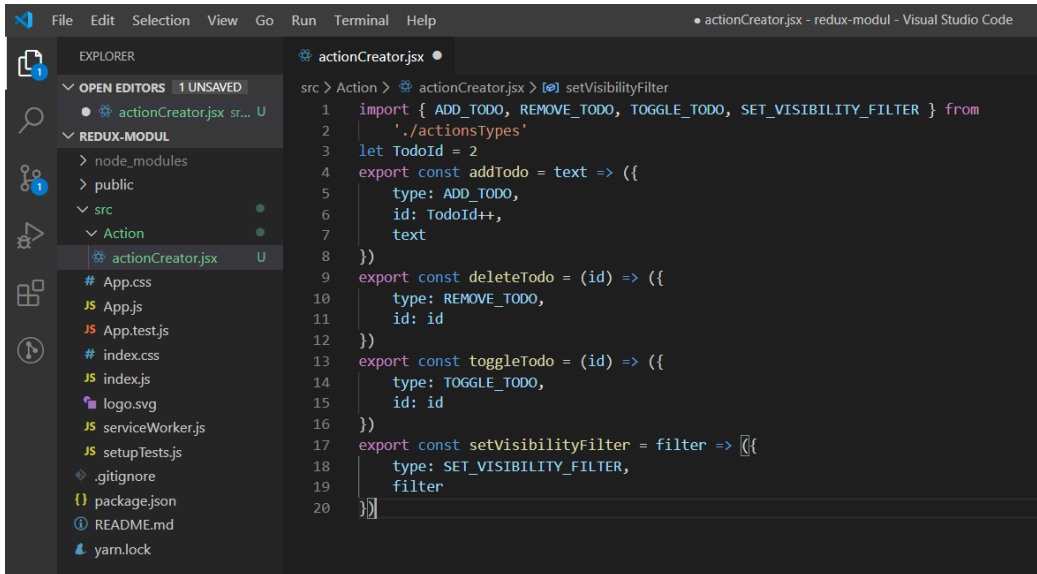
POLITEKNIK NEGERI MALANG

Laporan Praktikum

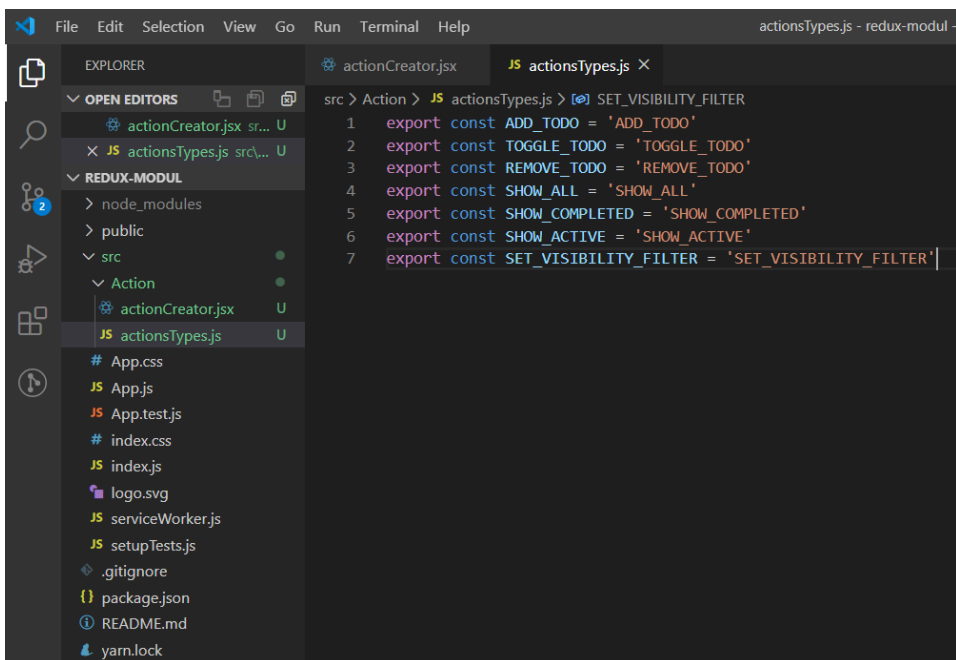
1. Buat folder baru ke dalam Src bernama Action



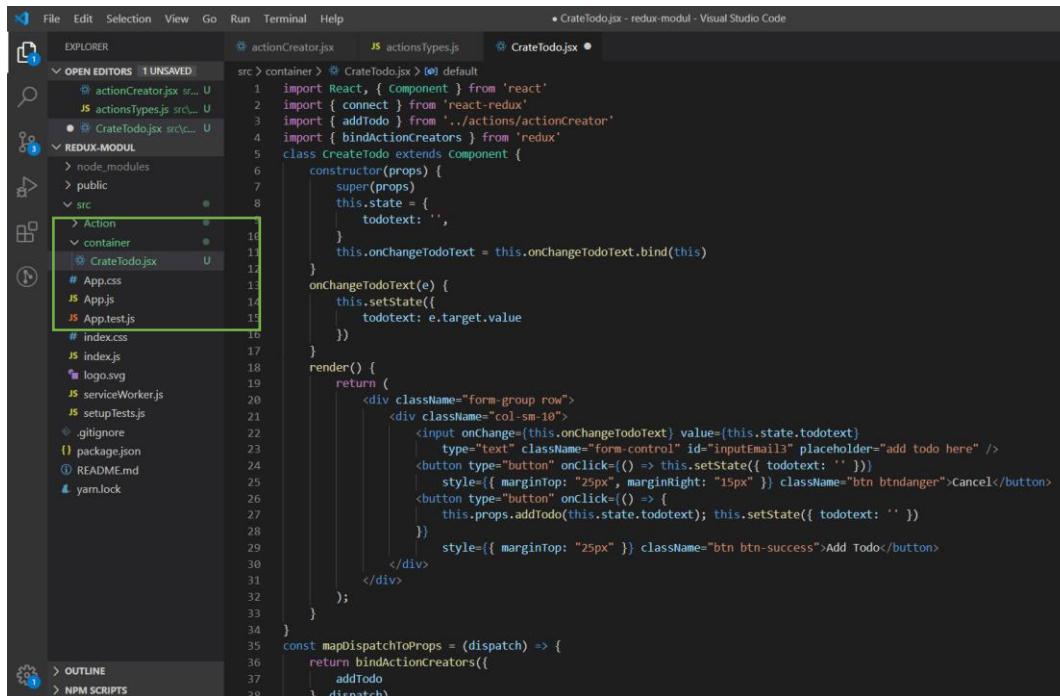
2. Tambahkan file actionCreator.jsx seperti gambar di bawah



3. Tambahkan juga file actionTypes.js



4. Buatlah folder container didalam folder Src, kemudian buat juga file CreateTodo.jsx seperti gambar di bawah



```
File Edit Selection View Go Run Terminal Help
CrateTodo.jsx - redux-module - Visual Studio Code

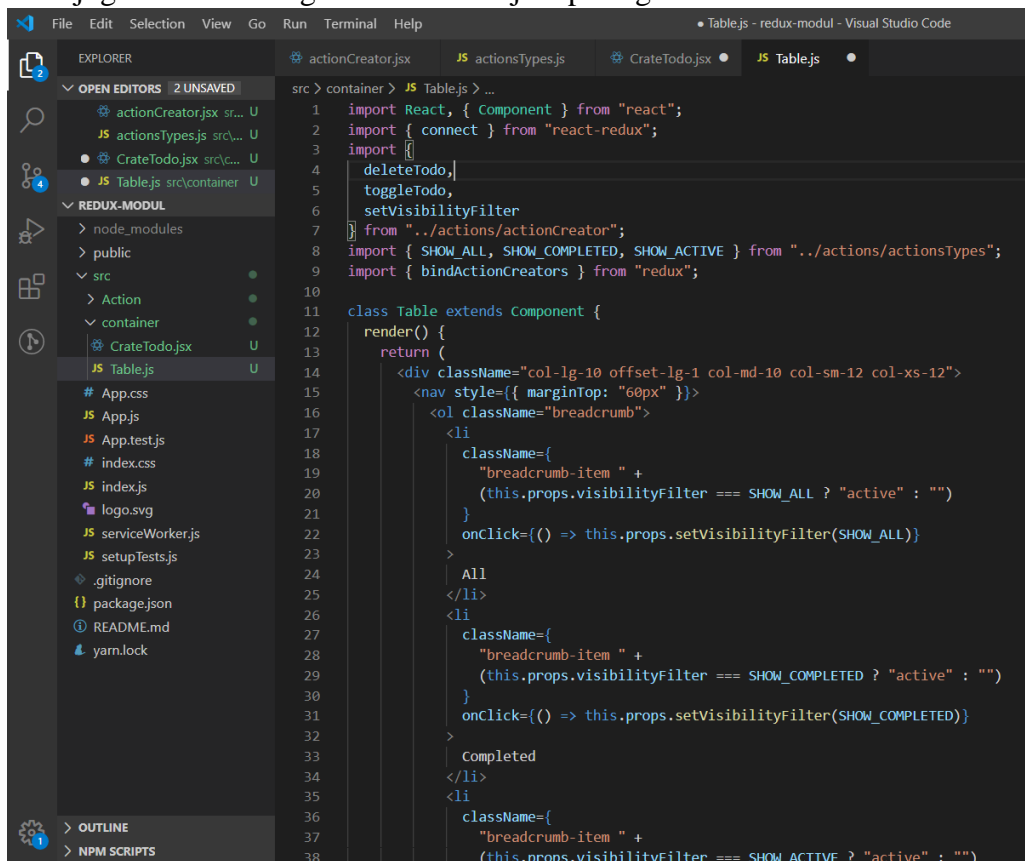
EXPLORER
src > container >
  actionCreator.jsx
  actionTypes.js
  CrateTodo.jsx
  App.css
  App.js
  App.test.js
  index.css
  index.js
  logo.svg
  serviceWorker.js
  setupTests.js
  .gitignore
  package.json
  README.md
  yarn.lock

REDUX-MODULE
  node_modules
  public
  src
    Action
    container
    CrateTodo.jsx
    App.css
    App.js
    App.test.js
    index.css
    index.js
    logo.svg
    serviceWorker.js
    setupTests.js
    .gitignore
    package.json
    README.md
    yarn.lock

OUTLINE
NPM SCRIPTS

src > container > CrateTodo.jsx > default
1 import React, { Component } from 'react'
2 import { connect } from 'react-redux'
3 import { addTodo } from '../actions/actionCreator'
4 import { bindActionCreators } from 'redux'
5 class CreateTodo extends Component {
6   constructor(props) {
7     super(props)
8     this.state = {
9       todotext: '',
10     }
11     this.onChangeTodoText = this.onChangeTodoText.bind(this)
12   }
13   onChangeTodoText(e) {
14     this.setState({
15       todotext: e.target.value
16     })
17   }
18   render() {
19     return (
20       <div className="form-group row">
21         <div className="col-sm-10">
22           <input onChange={this.onChangeTodoText} value={this.state.todotext}
23             type="text" className="form-control" id="inputEmail3" placeholder="add todo here" />
24           <button type="button" onClick={() => this.setState({ todotext: '' })}
25             style={{ marginTop: "25px", marginRight: "15px" }} className="btn btn-danger">Cancel</button>
26           <button type="button" onClick={() => {
27             this.props.addTodo(this.state.todotext); this.setState({ todotext: '' })
28           }}
29             style={{ marginTop: "25px" }} className="btn btn-success">Add Todo</button>
30         </div>
31       </div>
32     );
33   }
34 }
35 const mapDispatchToProps = (dispatch) => {
36   return bindActionCreators({
37     addTodo
38   }, dispatch)
39 }
```

5. Buat juga file baru dengan nama Table.js seperti gambar di bawah



```
File Edit Selection View Go Run Terminal Help
Table.js - redux-module - Visual Studio Code

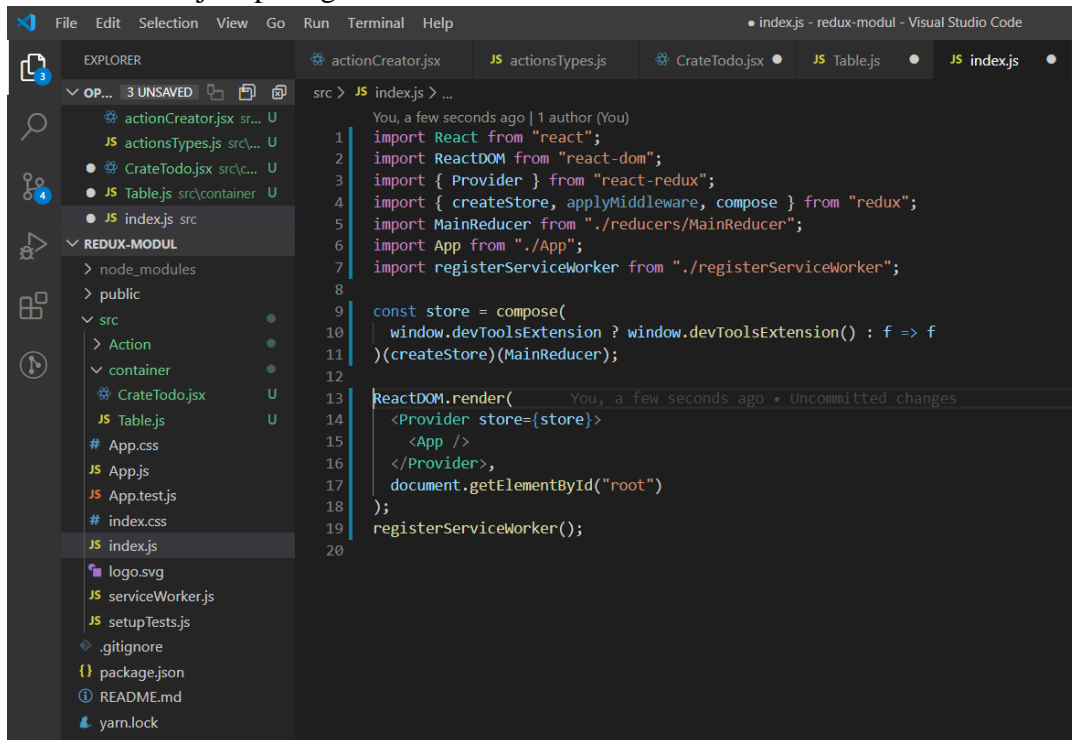
EXPLORER
src > container >
  actionCreator.jsx
  actionTypes.js
  CrateTodo.jsx
  Table.js
  App.css
  App.js
  App.test.js
  index.css
  index.js
  logo.svg
  serviceWorker.js
  setupTests.js
  .gitignore
  package.json
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REDUX-MODULE
  node_modules
  public
  src
    Action
    container
    CrateTodo.jsx
    Table.js
    App.css
    App.js
    App.test.js
    index.css
    index.js
    logo.svg
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OUTLINE
NPM SCRIPTS

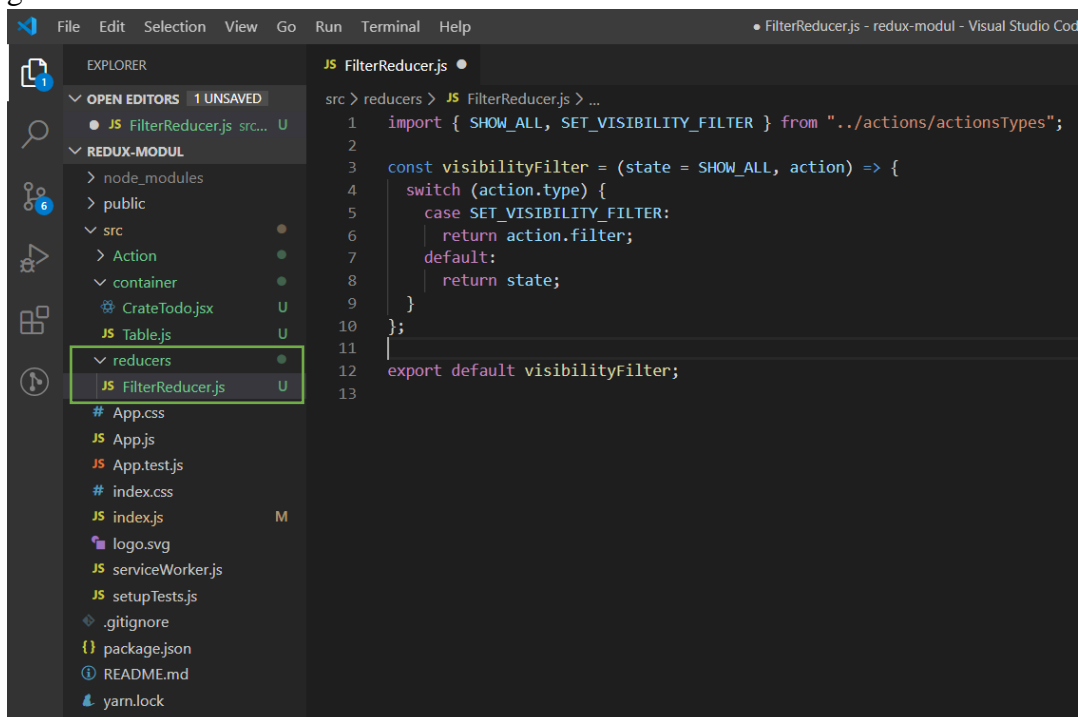
src > container > JS Table.js > ...
1 import React, { Component } from "react";
2 import { connect } from "react-redux";
3 import {
4   deleteTodo,
5   toggleTodo,
6   setVisibilityFilter
7 } from "../actions/actionCreator";
8 import { SHOW_ALL, SHOW_COMPLETED, SHOW_ACTIVE } from "../actions/actionTypes";
9 import { bindActionCreators } from "redux";
10
11 class Table extends Component {
12   render() {
13     return (
14       <div className="col-lg-10 offset-lg-1 col-md-10 col-sm-12 col-xs-12">
15         <nav style={{ marginTop: "60px" }}>
16           <ol className="breadcrumb">
17             <li
18               className={
19                 "breadcrumb-item " +
20                 (this.props.visibilityFilter === SHOW_ALL ? "active" : "")
21             }
22             onClick={() => this.props.setVisibilityFilter(SHOW_ALL)}
23           >
24             All
25           </li>
26           <li
27             className={
28               "breadcrumb-item " +
29               (this.props.visibilityFilter === SHOW_COMPLETED ? "active" : "")
30             }
31             onClick={() => this.props.setVisibilityFilter(SHOW_COMPLETED)}
32           >
33             Completed
34           </li>
35           <li
36             className={
37               "breadcrumb-item " +
38               (this.props.visibilityFilter === SHOW_ACTIVE ? "active" : "")
39             }
40           >
41             Active
42           </li>
43         </ol>
44       </div>
45     );
46   }
47 }
```

6. Edit file index.js seperti gambar di bawah



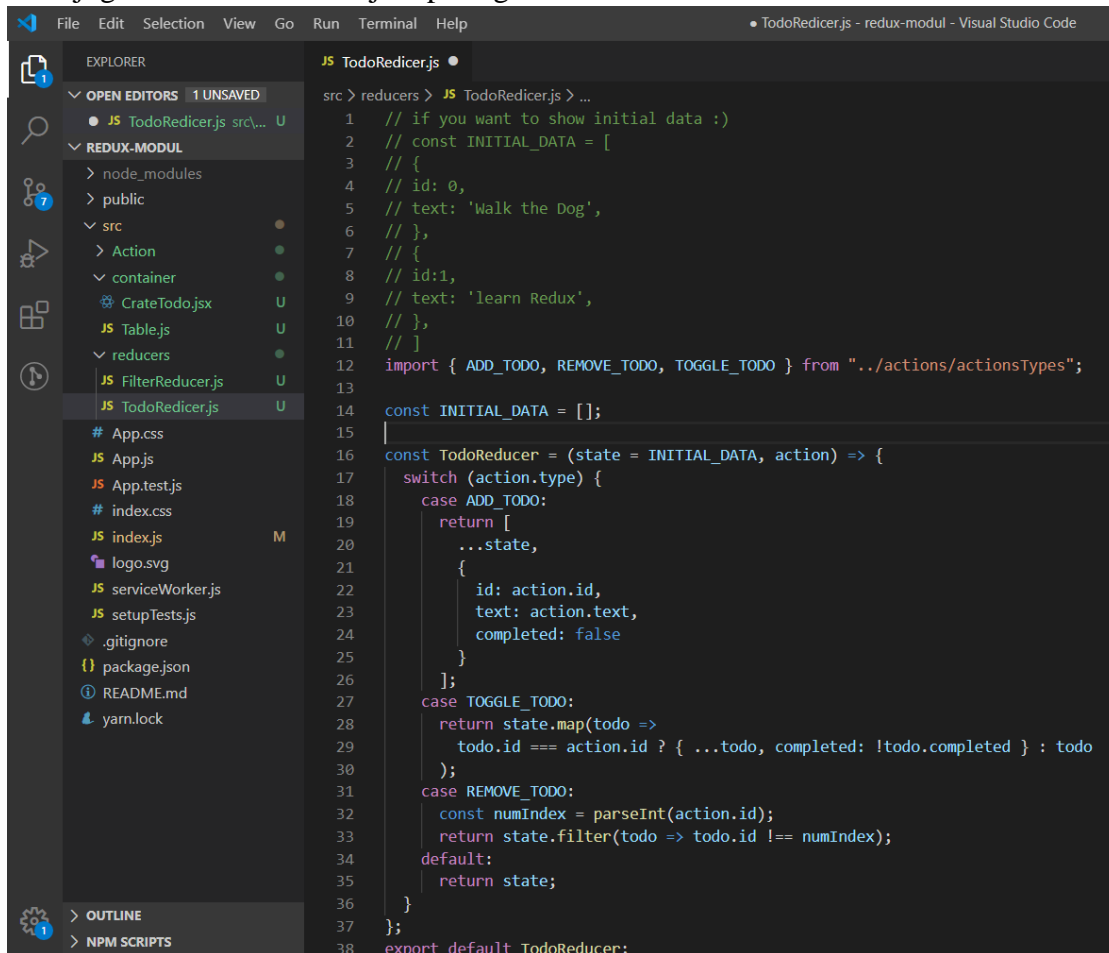
```
1 You, a few seconds ago | 1 author (You)
2 import React from "react";
3 import ReactDOM from "react-dom";
4 import { Provider } from "react-redux";
5 import { createStore, applyMiddleware, compose } from "redux";
6 import MainReducer from "./reducers/MainReducer";
7 import App from "./App";
8 import registerServiceWorker from "./registerServiceWorker";
9
10 const store = compose(
11   window.devToolsExtension ? window.devToolsExtension() : f => f
12 )(createStore)(MainReducer);
13
14 ReactDOM.render(
15   <Provider store={store}>
16     <App />
17   </Provider>,
18   document.getElementById("root")
19 );
20 registerServiceWorker();
```

7. Buat folder baru dengan nama reducers kemudian buat juga file FilterReducer.js seperti gambar di bawah



```
1 import { SHOW_ALL, SET_VISIBILITY_FILTER } from "../actions/actionTypes";
2
3 const visibilityFilter = (state = SHOW_ALL, action) => {
4   switch (action.type) {
5     case SET_VISIBILITY_FILTER:
6       return action.filter;
7     default:
8       return state;
9   }
10 };
11
12 export default visibilityFilter;
```

8. Buat juga file TodoReducer.js seperti gambar di bawah



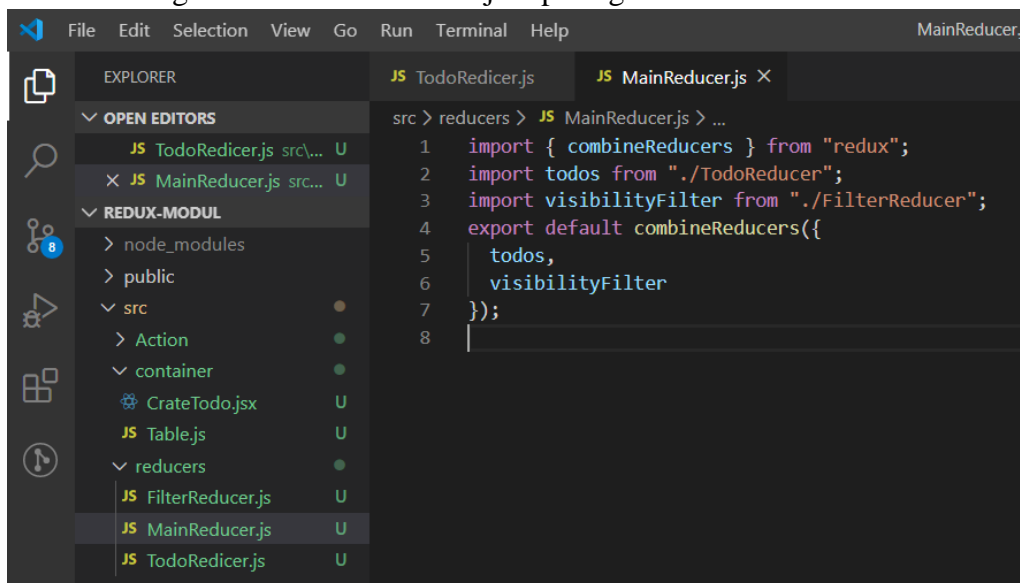
```
File Edit Selection View Go Run Terminal Help
• TodoReducer.js - redux-modul - Visual Studio Code

EXPLORER
OPEN EDITORS 1 UNSAVED
  • JS TodoReducer.js src\... U
REDUX-MODUL
  > node_modules
  > public
  > src
    > Action
    > container
    > CrateTodo.jsx U
    > JS Table.js U
    > reducers
      > JS FilterReducer.js U
      > JS TodoReducer.js U
  > # App.css
  > JS App.js
  > JS App.test.js
  > # index.css
  > JS index.js M
  > logo.svg
  > JS serviceWorker.js
  > JS setupTests.js
  > .gitignore
  > {} package.json
  > @ README.md
  > yarn.lock

OUTLINE
NPM SCRIPTS

JS TodoReducer.js
src > reducers > JS TodoReducer.js > ...
1 // if you want to show initial data :)
2 // const INITIAL_DATA = [
3 // {
4 //   id: 0,
5 //   text: 'Walk the Dog',
6 // },
7 // {
8 //   id: 1,
9 //   text: 'learn Redux',
10 // },
11 // ]
12 import { ADD_TODO, REMOVE_TODO, TOGGLE_TODO } from "../actions/actionTypes";
13
14 const INITIAL_DATA = [];
15
16 const TodoReducer = (state = INITIAL_DATA, action) => {
17   switch (action.type) {
18     case ADD_TODO:
19     return [
20       ...state,
21       {
22         id: action.id,
23         text: action.text,
24         completed: false
25       }
26     ];
27     case TOGGLE_TODO:
28     return state.map(todo =>
29       todo.id === action.id ? { ...todo, completed: !todo.completed } : todo
30     );
31     case REMOVE_TODO:
32     const numIndex = parseInt(action.id);
33     return state.filter(todo => todo.id !== numIndex);
34     default:
35     return state;
36   }
37 };
38 export default TodoReducer;
```

9. Buat file dengan nama MainReducer.js seperti gambar di bawah



```
File Edit Selection View Go Run Terminal Help
MainReducer.js

EXPLORER
OPEN EDITORS
  • JS TodoReducer.js src\... U
  • JS MainReducer.js src\... U
REDUX-MODUL
  > node_modules
  > public
  > src
    > Action
    > container
    > CrateTodo.jsx U
    > JS Table.js U
    > reducers
      > JS FilterReducer.js U
      > JS MainReducer.js U
      > JS TodoReducer.js U

JS MainReducer.js
src > reducers > JS MainReducer.js > ...
1 import { combineReducers } from "redux";
2 import todos from "./TodoReducer";
3 import visibilityFilter from "./FilterReducer";
4 export default combineReducers({
5   todos,
6   visibilityFilter
7 });
8
```

10. Jalankan program dengan perintah npm start

