LAPORAN PEMROGRAMAN FRAMEWORK
“SESSION 6”

Oleh:

Nama	**: Bagus Satria Putra**
Kelas	**: 3F**
Absen/NIM	**: 8 / 1841720146**

PROGRAM STUDI TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

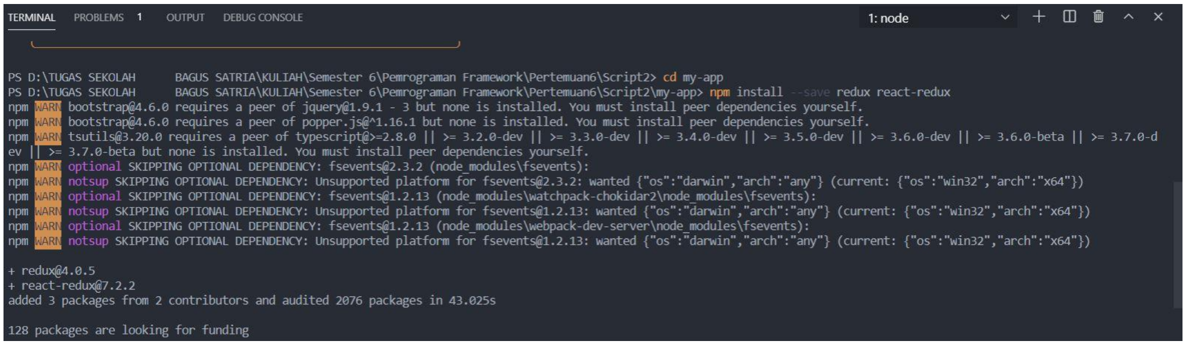
18 Maret 2021

No.	Keterangan

Link Github : https://github.com/BagusSatria123/PemrogramanFrameworkReact/tree/master/Pertemuan6/Script2/my-app

Link Youtube : https://youtu.be/pDpRIjx_l3E

Install redux dahulu



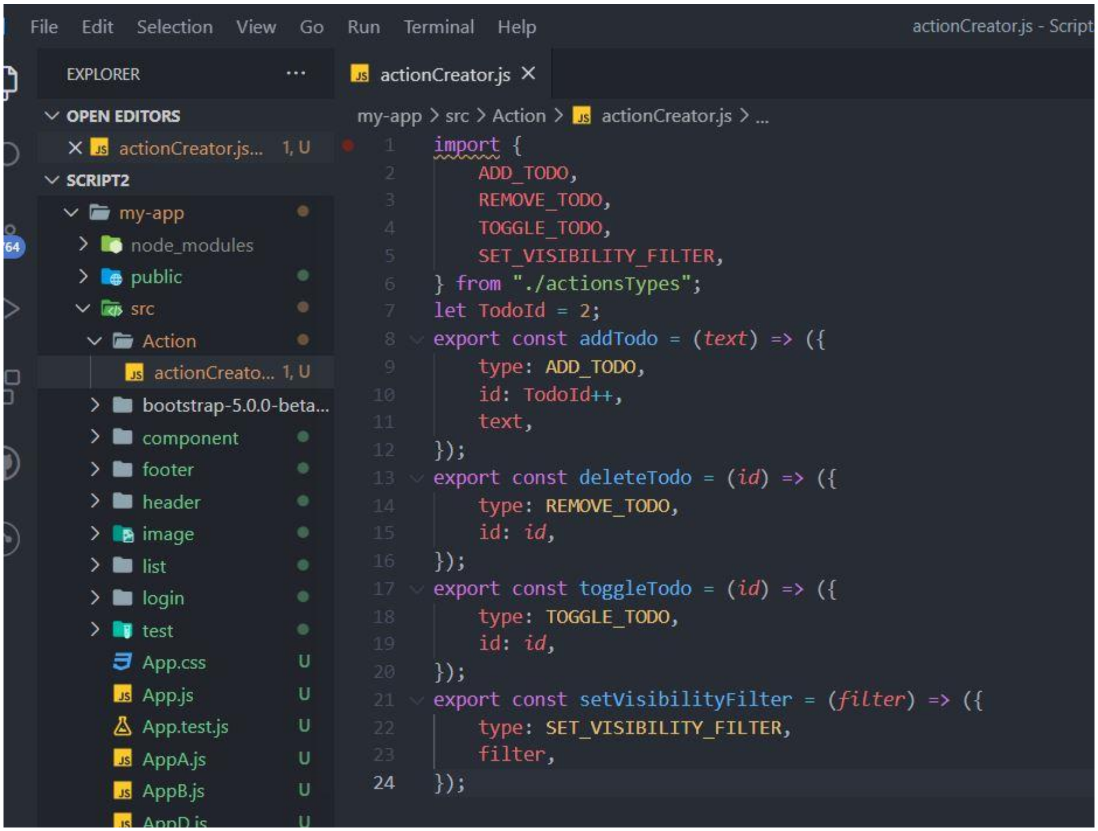
```
PS D:\TUGAS SEKOLAH     BAGUS SATRIA\KULIAH\Semester 6\Pemrograman Framework\Pertemuan6\Script2> cd my-app
PS D:\TUGAS SEKOLAH     BAGUS SATRIA\KULIAH\Semester 6\Pemrograman Framework\Pertemuan6\Script2\my-app> npm install --save redux react-redux
npm WARN bootstrap@4.6.0 requires a peer of jquery@1.9.1 - 3 but none is installed. You must install peer dependencies yourself.
npm WARN bootstrap@4.6.0 requires a peer of popper.js@^1.16.1 but none is installed. You must install peer dependencies yourself.
npm WARN tsutils@3.20.0 requires a peer of typescript@>=2.8.0 || >= 3.2.0-dev || >= 3.3.0-dev || >= 3.4.0-dev || >= 3.5.0-dev || >= 3.6.0-dev || >= 3.6.0-beta || >= 3.7.0-d
ev || >= 3.7.0-beta but none is installed. You must install peer dependencies yourself.
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.3.2 (node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.3.2: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.13 (node_modules\watchpack-chokidar2\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.13: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.13 (node_modules\webpack-dev-server\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.13: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})

+ redux@4.0.5
+ react-redux@7.2.2
added 3 packages from 2 contributors and audited 2076 packages in 43.025s

128 packages are looking for funding
```

Praktikum :

1. Buat Folder dalam src yaitu Action

2. Beri nama actionCreator

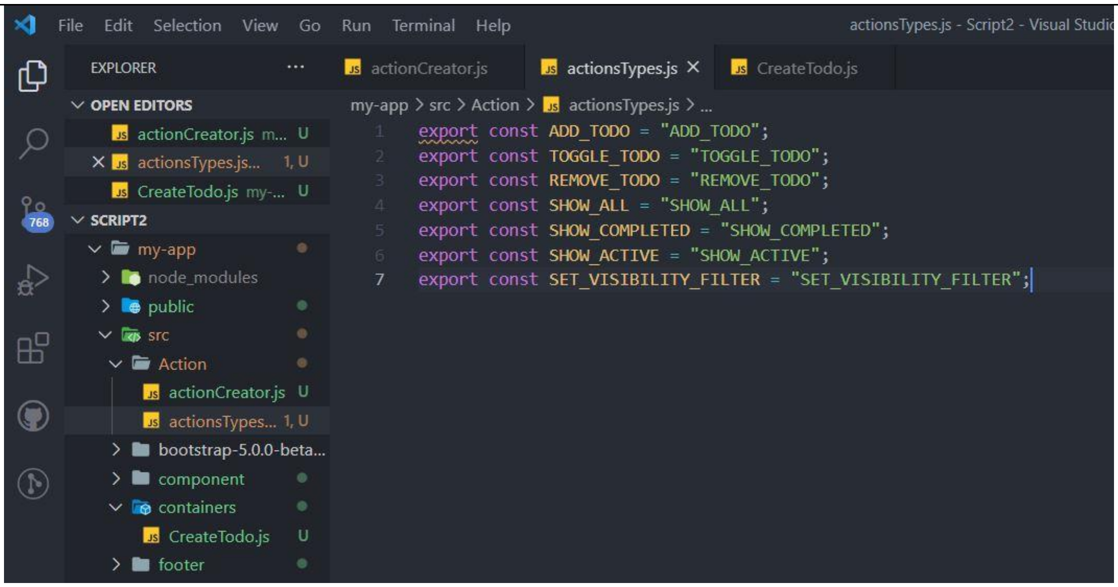
Jawaban :



```
import {
    ADD_TODO,
    REMOVE_TODO,
    TOGGLE_TODO,
    SET_VISIBILITY_FILTER,
} from "./actionsTypes";
let TodoId = 2;
export const addTodo = (text) => ({
    type: ADD_TODO,
    id: TodoId++,
    text,
});
export const deleteTodo = (id) => ({
    type: REMOVE_TODO,
    id: id,
});
export const toggleTodo = (id) => ({
    type: TOGGLE_TODO,
    id: id,
});
export const setVisibilityFilter = (filter) => ({
    type: SET_VISIBILITY_FILTER,
    filter,
});
```

3. Masih dalam Folder Action buatlah file actionsTypes.js

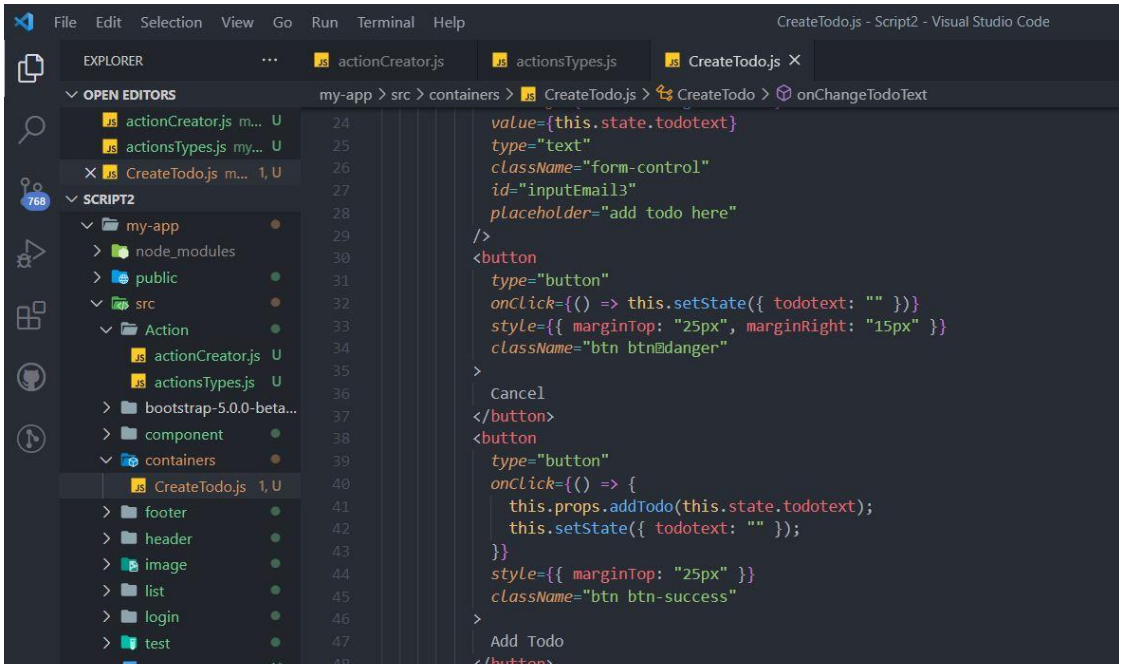
Jawaban :



```
export const ADD_TODO = "ADD_TODO";
export const TOGGLE_TODO = "TOGGLE_TODO";
export const REMOVE_TODO = "REMOVE_TODO";
export const SHOW_ALL = "SHOW_ALL";
export const SHOW_COMPLETED = "SHOW_COMPLETED";
export const SHOW_ACTIVE = "SHOW_ACTIVE";
export const SET_VISIBILITY_FILTER = "SET_VISIBILITY_FILTER";
```

4. Kemudian dalam folder src buatlah folder dengan nama containers dan buatlah file dengan judul CreateTodo

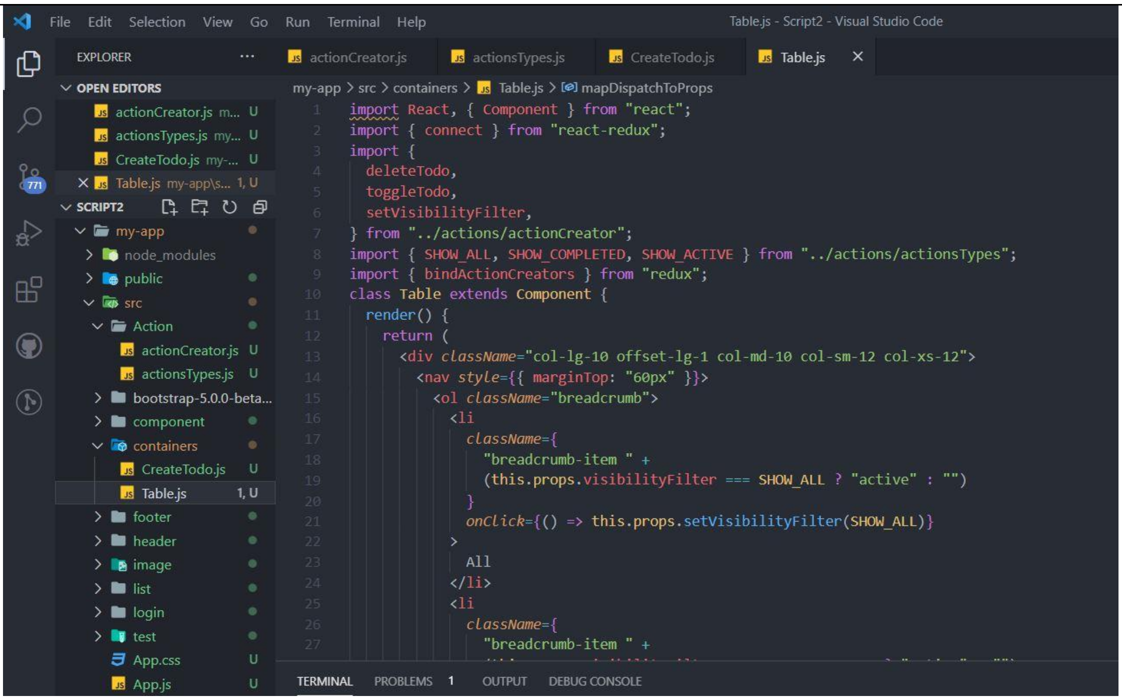
Jawaban :



```
    value={this.state.todotext}
    type="text"
    className="form-control"
    id="inputEmail3"
    placeholder="add todo here"
  />
  <button
    type="button"
    onClick={() => this.setState({ todotext: "" })}
    style={{ marginTop: "25px", marginRight: "15px" }}
    className="btn btn⊡danger"
  >
    Cancel
  </button>
  <button
    type="button"
    onClick={() => {
      this.props.addTodo(this.state.todotext);
      this.setState({ todotext: "" });
    }}
    style={{ marginTop: "25px" }}
    className="btn btn-success"
  >
    Add Todo
```

5. Masih dalam folder containers buatlah file dengan judul Table.js

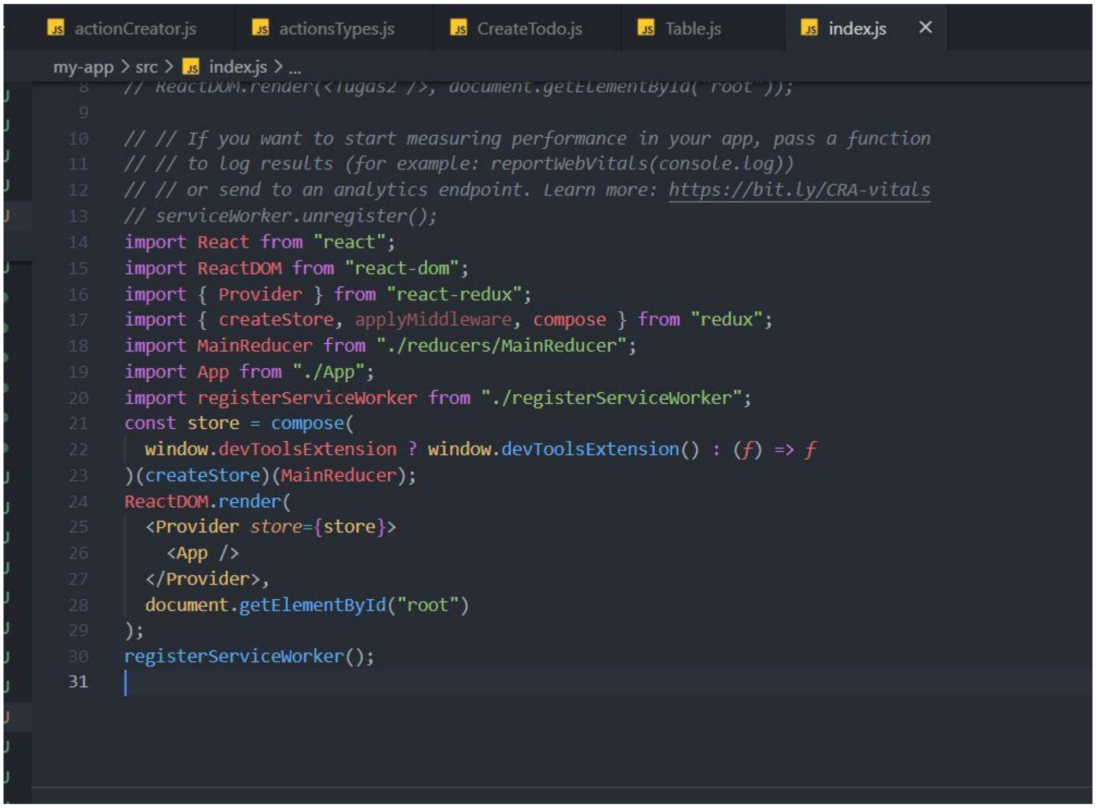
Jawaban :



```
import React, { Component } from "react";
import { connect } from "react-redux";
import {
  deleteTodo,
  toggleTodo,
  setVisibilityFilter,
} from "../actions/actionCreator";
import { SHOW_ALL, SHOW_COMPLETED, SHOW_ACTIVE } from "../actions/actionsTypes";
import { bindActionCreators } from "redux";
class Table extends Component {
  render() {
    return (
      <div className="col-lg-10 offset-lg-1 col-md-10 col-sm-12 col-xs-12">
        <nav style={{ marginTop: "60px" }}>
          <ol className="breadcrumb">
            <li
              className={
                "breadcrumb-item " +
                (this.props.visibilityFilter === SHOW_ALL ? "active" : "")
              }
              onClick={() => this.props.setVisibilityFilter(SHOW_ALL)}
            >
              All
            </li>
            <li
              className={
                "breadcrumb-item " +
```

6. Edit index.js dengan source code berikut ini

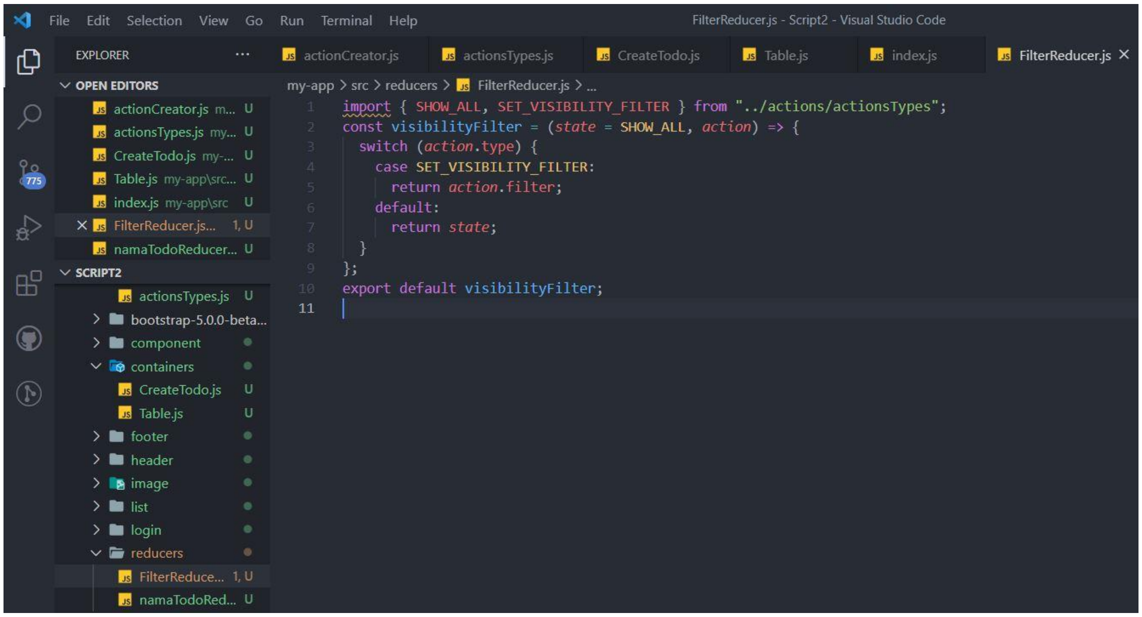
Jawaban :



```
// ReactDOM.render(<Tugas2 />, document.getElementById("root"));

// // If you want to start measuring performance in your app, pass a function
// // to log results (for example: reportWebVitals(console.log))
// // or send to an analytics endpoint. Learn more: https://bit.ly/CRA-vitals
// serviceWorker.unregister();
import React from "react";
import ReactDOM from "react-dom";
import { Provider } from "react-redux";
import { createStore, applyMiddleware, compose } from "redux";
import MainReducer from "./reducers/MainReducer";
import App from "./App";
import registerServiceWorker from "./registerServiceWorker";
const store = compose(
  window.devToolsExtension ? window.devToolsExtension() : (f) => f
)(createStore)(MainReducer);
ReactDOM.render(
  <Provider store={store}>
    <App />
  </Provider>,
  document.getElementById("root")
);
registerServiceWorker();

```

7. Buat folder dalam src dengan nama reducers dan beri nama file FilterReducer.js dan ketikkan program dibawah ini :

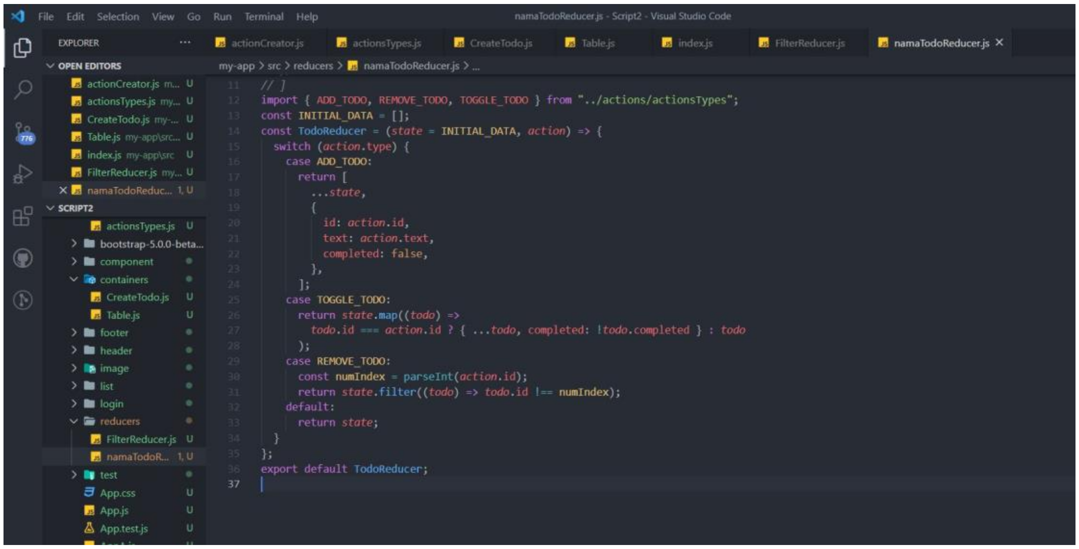
Jawaban ;



```javascript
import { SHOW_ALL, SET_VISIBILITY_FILTER } from "../actions/actionsTypes";
const visibilityFilter = (state = SHOW_ALL, action) => {
  switch (action.type) {
    case SET_VISIBILITY_FILTER:
      return action.filter;
    default:
      return state;
  }
};
export default visibilityFilter;
```

8. Masih didalam folder reducers buatlah file dengan namaTodoReducer.js

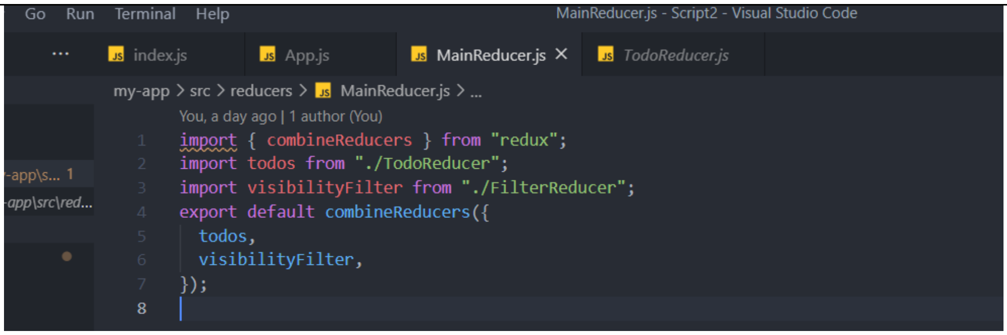
Jawaban :



```javascript
// ]
import { ADD_TODO, REMOVE_TODO, TOGGLE_TODO } from "../actions/actionsTypes";
const INITIAL_DATA = [];
const TodoReducer = (state = INITIAL_DATA, action) => {
  switch (action.type) {
    case ADD_TODO:
      return [
        ...state,
        {
          id: action.id,
          text: action.text,
          completed: false,
        },
      ];
    case TOGGLE_TODO:
      return state.map((todo) =>
        todo.id === action.id ? { ...todo, completed: !todo.completed } : todo
      );
    case REMOVE_TODO:
      const numIndex = parseInt(action.id);
      return state.filter((todo) => todo.id !== numIndex);
    default:
      return state;
  }
};
export default TodoReducer;
```

9. Buat file dengan nama MainReducer.js dan simpan

Jawaban :

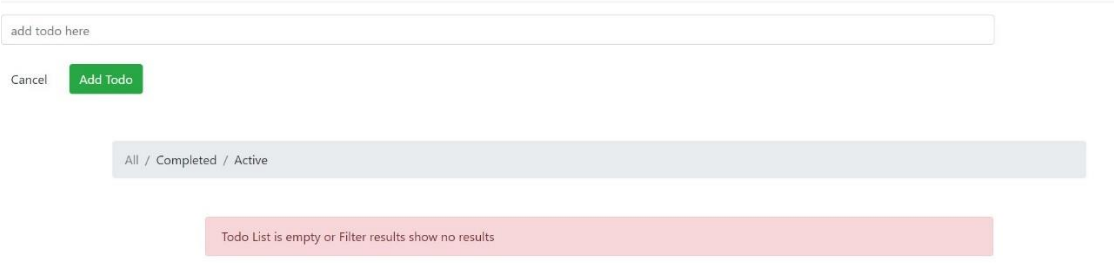

Go
Run
Terminal
Help
MainReducer.js - Script2 - Visual Studio Code
index.js
App.js
MainReducer.js
TodoReducer.js
my-app > src > reducers > MainReducer.js > ...
-app\s... 1
-app\src\red...

You, a day ago | 1 author (You)

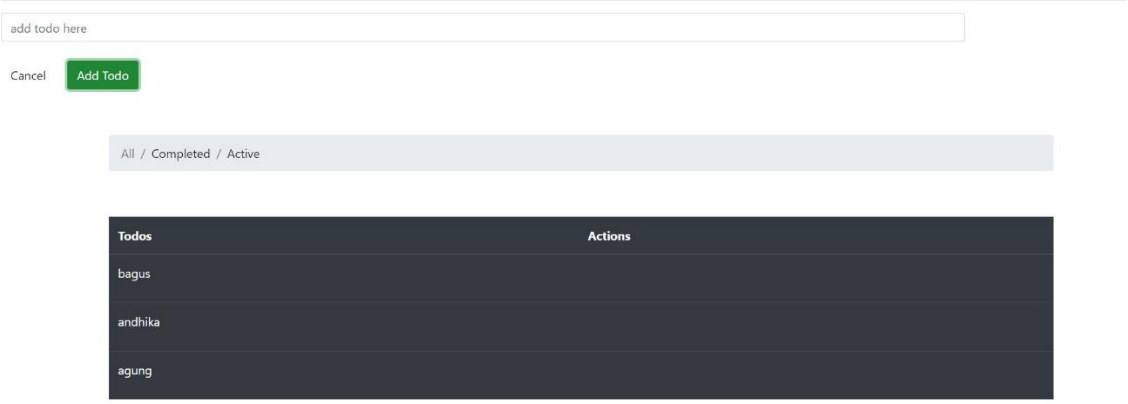
```
import { combineReducers } from "redux";
import todos from "./TodoReducer";
import visibilityFilter from "./FilterReducer";
export default combineReducers({
  todos,
  visibilityFilter,
});
```

10. Running semua program dengan npm start dan liat hasilnya dan laporkan didalam laporan

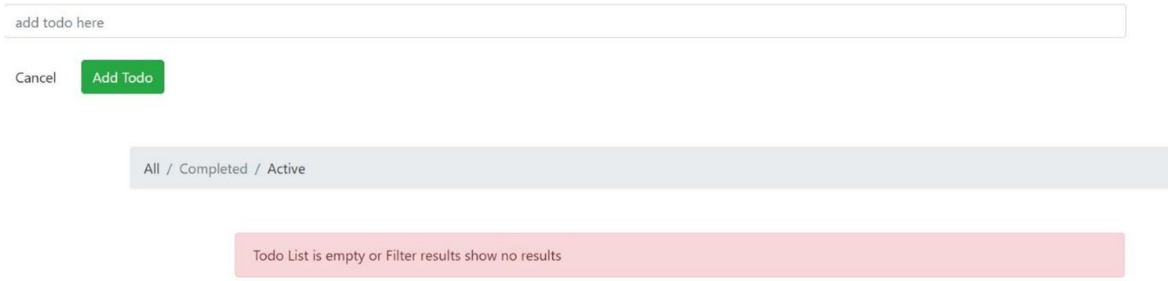
Jawaban :



Todo List is empty or Filter results show no results



Todos	Actions
bagus	
andhika	
agung	



Todo List is empty or Filter results show no results

--Alhamdulillah--