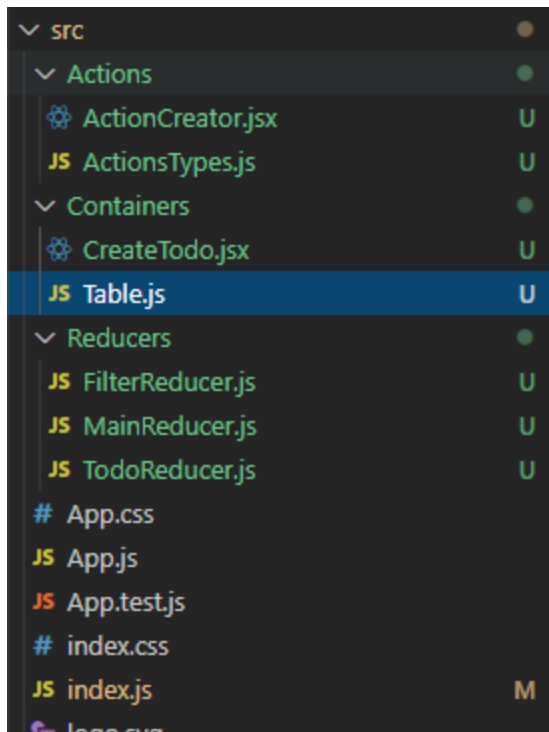


## TUGAS MATA PBF



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PROGRAM STUDI D-IV TEKNIK INFORMATIKA  
JURUSAN TEKNOLOGI INFORMASI  
POLITEKNIK NEGERI MALANG  
2019



Praktikum :

1. Buat Folder dalam src yaitu Action 2. Beri nama actionCreator

```
import {
  ADD_TODO,
  REMOVE_TODO,
  TOGGLE_TODO,
  SET_VISIBILITY_FILTER
} from './ActionTypes'

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 })
```

Masih dalam Folder Action buatlah file actionTypes.js

```
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'

```

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

```

import React, { Component } from './node_modules/react'
import { connect } from './node_modules/react-redux'
import { addToDo } from '../Actions/ActionCreator'
import { bindActionCreators } from './node_modules/redux'

class CreateTodo extends Component {
  constructor(props) {
    super(props)
    this.state = { todotext: '', }
    this.onChangeTodoText = this.onChangeTodoText.bind(this)
  }

  onChangeTodoText(e) {
    this.setState({ todotext: e.target.value })
  }

  render() {
    return (
      <div className="form-group row">
        <div className="col-sm-10">
          <input onChange={this.onChangeTodoText} 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</button>
        </div>
      </div>);
  }
}

const mapDispatchToProps = (dispatch) => {
  return bindActionCreators(

```

```

    {
      addToDo
    }, dispatch)
  }

export default connect(null, mapDispatchToProps)(CreateToDo)

```

Masih dalam folder containers buatlah file dengan judul Table.js

```

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/ActionTypes";
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 " + (this.props.visibilityFilter === SHOW_COMPLETED ? 'active' : '') }

```

```

        onClick={() => this.props.setVisibilityFilter(SHOW_COMPLETED)}
      >
        Completed </li> <li className = {
          "breadcrumb-
item " + (this.props.visibilityFilter === SHOW_ACTIVE ? 'active' : '')
        }
        onClick = {
          () => this.props.setVisibilityFilter(SHOW_ACTIVE)
        } > Active </li> </ol> </nav> {this.props.todos.length !== 0 ? (
          <table style={{ marginTop: "60px" }}
            className="table table-hover table-dark"
            >
              <thead>
                <tr>
                  <th scope="col">Todos</th>
                  <th scope = "col" > Actions </th>
                </tr>
              </thead>
              <tbody>
                {this.props.todos.map(todo => (
                  <tr key={todo.id}>
                    <td style = {
                      {
                        textDecoration: todo.completed ? "line-through" : "none"
                      }
                    } > {
                      todo.text
                    } {
                      todo.completed === true ? "(completed)" : ""
                    } </td><td><span
                      className="btn btn-danger fa-minus-circle"
                      onClick={() => this.props.deleteTodo(todo.id)}
                      style={{
                        color: "white",
                        marginRight: "20px"
                      }}
                    >
Hapus</span><span className = "btn btn-success fa-check-circle"
                      onClick = {
                        () => this.props.toggleTodo(todo.id)
                      }
                      style = {
                        {
                          color: "white",
                          fontSize: "20pt"
                        }
                      }
                    > Completed</span>
                  </td> </tr>
                </tbody> </table>
                ) : (
                  <div style={{ marginTop: "50px" }}
                    className="col-lg-10 col-md-10 col-xs-12 col-sm-12 offset-lg-1"
                    >
                  <div className="alert alert-danger" role="alert">
                    Todo List is empty or Filter results show no results
                  </div> </div>
                )}{""} </div> );
              }

```

```

}

const getVisibleTodos = (todos, filter) => {
  switch (filter) {
    case SHOW_ALL:
      return todos;
    case SHOW_COMPLETED:
      return todos.filter(t => t.completed);
    case SHOW_ACTIVE:
      return todos.filter(t => !t.completed);
    default:
      throw new Error("Unknown filter: " + filter);
  }
};

const mapStateToProps = state => {
  return {
    todos: getVisibleTodos(state.todos, state.visibilityFilter),
    visibilityFilter: state.visibilityFilter
  };
};

const mapDispatchToProps = dispatch => {
  return bindActionCreators({
    deleteTodo,
    toggleTodo,
    setVisibilityFilter
  }, dispatch);
};

export default connect(mapStateToProps, mapDispatchToProps)(Table);

```

Edit index.js dengan source code berikut ini

```

import React from 'react';
import ReactDOM from 'react-dom';
import 'bootstrap/dist/css/bootstrap.min.css';
import { Provider } from 'react-redux';
import { createStore, applyMiddleware, compose } from 'redux';
import './index.css';
import MainReducer from './Reducers/MainReducer';
import App from './App';
import * as serviceWorker from './serviceWorker';
import CreateTodo from './Containers/CreateTodo';
import Table from './Containers/Table';

```

```

const store = compose(window.devToolsExtension ? window.devToolsExtension() : f => f)(createStore)(MainReducer)
ReactDOM.render(<Provider store={store}>
  { /* <App /> */ }
  <CreateTodo />
  <Table />
</Provider>,
  document.getElementById('root'));
serviceWorker.unregister();

```

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

```

import {
  SHOW_ALL,
  SET_VISIBILITY_FILTER
} from "../Actions/ActionTypes";

const visibilityFilter = (state = SHOW_ALL, action) => {
  switch (action.type) {
    case SET_VISIBILITY_FILTER:
      return action.filter;
    default:
      return state;
  }
};

export default visibilityFilter

```

Masih didalam folder reducers buatlah file dengan nama TodoReducer.js

```

import {
  ADD_TODO,
  REMOVE_TODO,
  TOGGLE_TODO
} from '../Actions/ActionTypes'

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

```

Buat file dengan nama MainReducer.js dan simpan

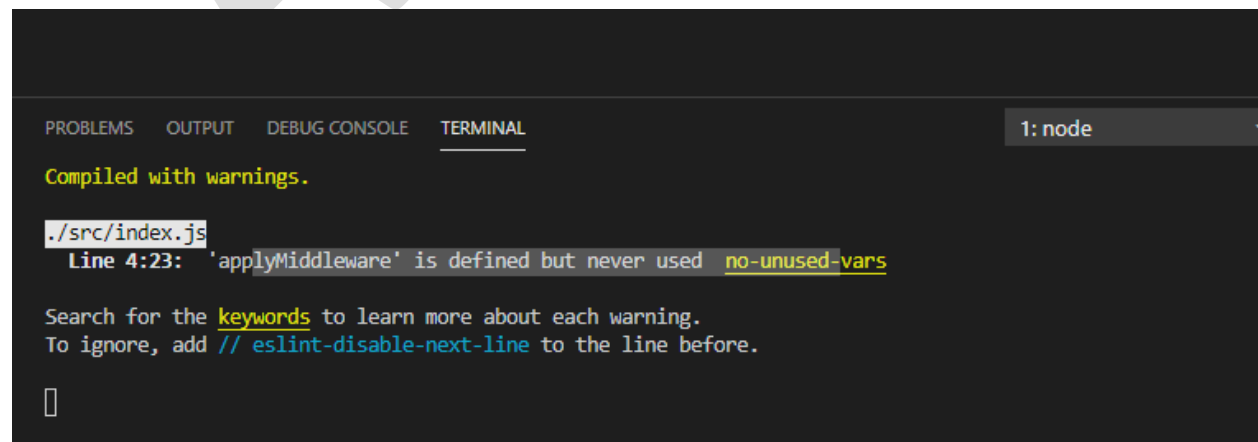
```

import {
    combineReducers
} from 'redux';
import todos from './TodoReducer'
import visibilityFilter from './FilterReducer'

export default combineReducers({
    todos,
    visibilityFilter
})

```

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



The screenshot shows the VS Code interface with the 'TERMINAL' tab active. The terminal output indicates that the application was compiled with warnings. A specific warning is highlighted for the file `./src/index.js` at line 4:23, stating that the variable `'applyMiddleware'` is defined but never used, categorized as a `no-unused-vars` warning. Below the warning, there is a prompt to search for keywords to learn more and a suggestion to add `// eslint-disable-next-line` to ignore the warning.

```

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  1: node

Compiled with warnings.

./src/index.js
Line 4:23: 'applyMiddleware' is defined but never used  no-unused-vars

Search for the keywords to learn more about each warning.
To ignore, add // eslint-disable-next-line to the line before.


```



add todo here

Cancel

Add Todo

All / Completed / Active

Todos	Actions	
asd	Hapus	Completed
complt (completed)	Hapus	Completed
hapus	Hapus	Completed



Alenon