

**TUGAS PERORANGAN/INDIVIDU**  
**LAPORAN TUGAS MINGGU KE 7**

**APA ITU REDUX?**

Disusun Sebagai:

**MATA KULIAH: PEMROGRAMAN BERBASIS FRAMEWORK**

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**PROGRAM STUDI D4 TEKNIK INFORMATIKA**  
**JURUSAN TEKNOLOGI INFORMASI**  
**POLITEKNIK NEGERI MALANG**  
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The screenshot shows the Visual Studio Code editor with the file explorer on the left displaying the project structure of 'PERTEMUAN7'. The file 'actionCreator.js' is selected under the 'actions' directory. The main editor window shows the code for 'actionCreator.js' with the following content:

```
1 import { ADD_TODO, REMOVE_TODO, TOGGLE_TODO, SET_VISIBILITY_FILTER } from
2   './actionTypes';
3
4 let TodoId = 2
5
6 export const addTodo = text => ({
7   type: ADD_TODO,
8   id: TodoId++,
9   text
10 });
11
12 export const deleteTodo = (id) => ({
13   type: REMOVE_TODO,
14   id: id
15 });
16
17 export const toggleTodo = (id) => ({
18   type: TOGGLE_TODO,
19   id: id
```

The screenshot shows the Visual Studio Code editor with the file explorer on the left displaying the project structure of 'PERTEMUAN7'. The file 'actionTypes.js' is selected under the 'actions' directory. The main editor window shows the code for 'actionTypes.js' with the following content:

```
1 export const ADD_TODO = 'ADD_TODO'
2 export const TOGGLE_TODO = 'TOGGLE_TODO'
3 export const REMOVE_TODO = 'REMOVE_TODO'
4 export const SHOW_ALL = 'SHOW_ALL'
5 export const SHOW_COMPLETED = 'SHOW_COMPLETED'
6 export const SHOW_ACTIVE = 'SHOW_ACTIVE'
7 export const SET_VISIBILITY_FILTER = 'SET_VISIBILITY_FILTER'
```

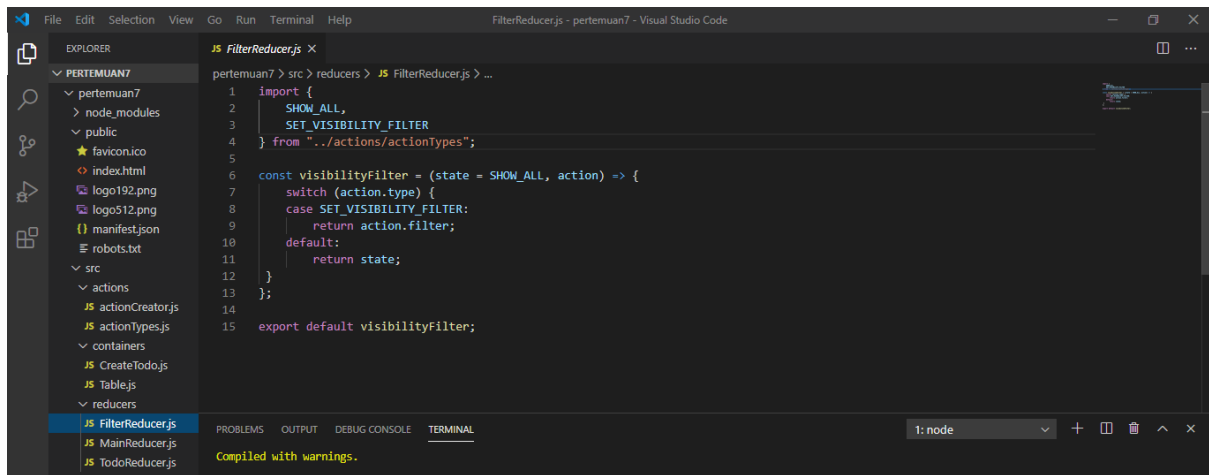
The screenshot shows the Visual Studio Code editor with the file explorer on the left displaying the project structure of 'PERTEMUAN7'. The file 'CreateTodo.js' is selected under the 'containers' directory. The main editor window shows the code for 'CreateTodo.js' with the following content:

```
1 import React, { Component } from 'react'
2 import { connect } from 'react-redux'
3 import { addTodo } from '../actions/actionCreator'
4 import { bindActionCreators } from 'redux'
5
6 class CreateTodo extends Component {
7   constructor(props) {
8     super(props)
9     this.state = {
10       todotext: '',
11     }
12     this.onChangeTodoText = this.onChangeTodoText.bind(this)
13
14   }
15
16   onChangeTodoText(e) {
17     this.setState({
18       todotext: e.target.value
19     })
20   }
21 }
```

The screenshot shows the Visual Studio Code editor with the file explorer on the left displaying the project structure of 'PERTEMUAN7'. The file 'Table.js' is selected under the 'containers' directory. The main editor window shows the code for 'Table.js' with the following content:

```
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={"breadcrumb-item" + (this.props.visibilityFilter === SHOW_ALL ? 'active' : '')}
19               onClick={() => this.props.setVisibilityFilter(SHOW_ALL)}
20             >
21           </li>
22         </ol>
23       </div>
24     );
25   }
26 }
```

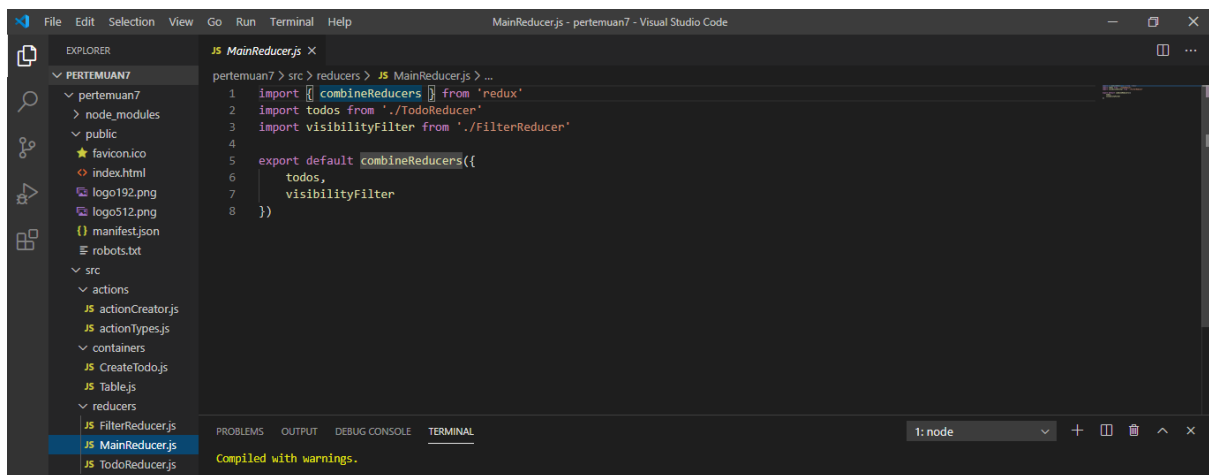
Below the code editor, the 'PROBLEMS' panel shows a warning: 'Compiled with warnings. Line 4:23: 'applyMiddleware' is defined but never used. no-unused-vars'. A search bar is visible with the text 'Search for the keywords to learn more about each warning. To ignore, add // eslint-disable-next-line to the line before.'



This screenshot shows the Visual Studio Code editor with the file `FilterReducer.js` open. The Explorer sidebar on the left shows the project structure for `PERTEMUAN7`, including `src`, `actions`, `reducers`, and `containers`. The `reducers` folder is expanded, showing `FilterReducer.js`, `MainReducer.js`, and `TodoReducer.js`. The main editor displays the code for `FilterReducer.js`, which imports `SHOW_ALL` and `SET_VISIBILITY_FILTER` from `../actions/actionTypes`. It defines a `visibilityFilter` function that takes `state` and `action` as arguments and returns the appropriate filter based on the action type. The code is as follows:

```
1 import {  
2   SHOW_ALL,  
3   SET_VISIBILITY_FILTER  
4 } from '../actions/actionTypes';  
5  
6 const visibilityFilter = (state = SHOW_ALL, action) => {  
7   switch (action.type) {  
8     case SET_VISIBILITY_FILTER:  
9       return action.filter;  
10    default:  
11      return state;  
12    }  
13  };  
14  
15  export default visibilityFilter;
```

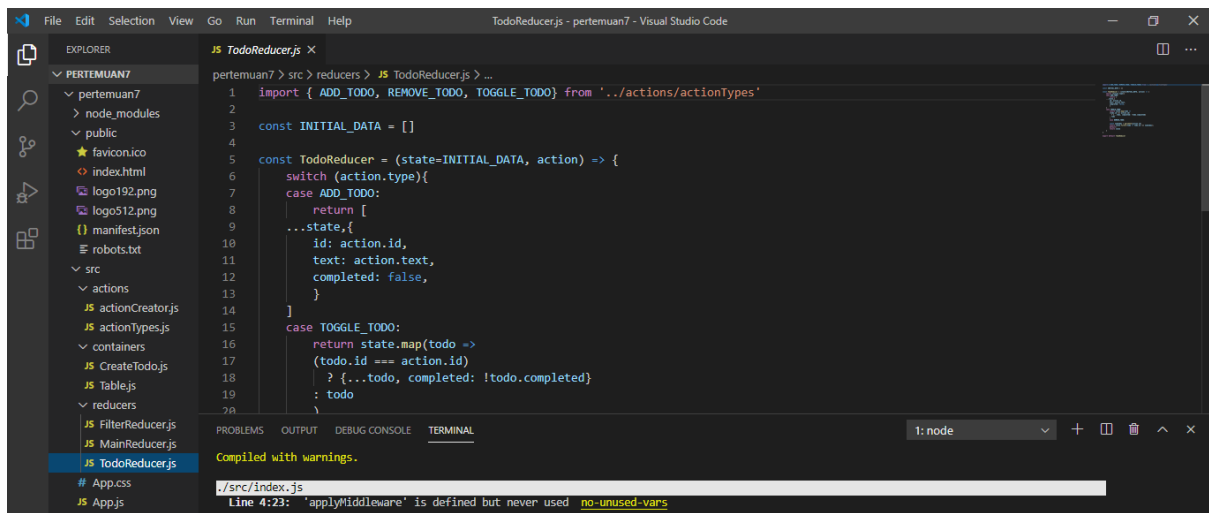
The bottom status bar indicates the file is compiled with warnings.



This screenshot shows the Visual Studio Code editor with the file `MainReducer.js` open. The Explorer sidebar on the left shows the project structure for `PERTEMUAN7`, including `src`, `actions`, `reducers`, and `containers`. The `reducers` folder is expanded, showing `FilterReducer.js`, `MainReducer.js`, and `TodoReducer.js`. The main editor displays the code for `MainReducer.js`, which imports `combineReducers` from `redux`, `todos` from `../TodoReducer`, and `visibilityFilter` from `../FilterReducer`. It defines a `combineReducers` function that takes `todos` and `visibilityFilter` as arguments and returns a combined reducer. The code is as follows:

```
1 import { combineReducers } from 'redux'  
2 import todos from '../TodoReducer'  
3 import visibilityFilter from '../FilterReducer'  
4  
5 export default combineReducers({  
6   todos,  
7   visibilityFilter  
8 })
```

The bottom status bar indicates the file is compiled with warnings.



This screenshot shows the Visual Studio Code editor with the file `TodoReducer.js` open. The Explorer sidebar on the left shows the project structure for `PERTEMUAN7`, including `src`, `actions`, `reducers`, and `containers`. The `reducers` folder is expanded, showing `FilterReducer.js`, `MainReducer.js`, and `TodoReducer.js`. The main editor displays the code for `TodoReducer.js`, which imports `ADD_TODO`, `REMOVE_TODO`, and `TOGGLE_TODO` from `../actions/actionTypes`. It defines an `INITIAL_DATA` array and a `TodoReducer` function that takes `state` and `action` as arguments and returns the appropriate state based on the action type. The code is as follows:

```
1 import { ADD_TODO, REMOVE_TODO, TOGGLE_TODO } from '../actions/actionTypes'  
2  
3 const INITIAL_DATA = []  
4  
5 const TodoReducer = (state=INITIAL_DATA, action) => {  
6   switch (action.type){  
7     case ADD_TODO:  
8       return [...state,{  
9         id: action.id,  
10        text: action.text,  
11        completed: false,  
12      }]  
13     }  
14     case TOGGLE_TODO:  
15       return state.map(todo =>  
16         (todo.id === action.id)  
17         ? {...todo, completed: !todo.completed}  
18         : todo  
19       )  
20     }  
21   }  
22 }
```

The bottom status bar indicates the file is compiled with warnings. A warning message is visible in the bottom right corner: `Line 4:23: 'applyMiddleware' is defined but never used no-unused-vars`.

## Hasil :

