

CodingTips

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# MASTERING REDUX TOOLKIT

@CODE-WITH-SOHAIB169



# WHAT IS REDUX TOOLKIT?

Redux Toolkit is the official, recommended way to write Redux logic. It provides powerful tools and best practices that streamline your Redux setup and reduce boilerplate code. With Redux Toolkit, you can focus more on building features and less on writing boilerplate.



# INSTALL REDUX TOOLKIT

```
npm install @reduxjs/toolkit react-redux
```



# CREATE A SLICE

```
import { createSlice } from '@reduxjs/toolkit';

const counterSlice = createSlice({
  name: 'counter',
  initialState: { value: 0 },
  reducers: {
    increment: (state) => { state.value += 1; },
    decrement: (state) => { state.value -= 1; },
    incrementByAmount: (state, action) => { state.value += action.payload; }
  }
});

export const { increment, decrement, incrementByAmount } = counterSlice.actions;
export default counterSlice.reducer;
```



# CONFIGURE THE STORE

```
import { configureStore } from '@reduxjs/toolkit';
import counterReducer from './counterSlice';

const store = configureStore({
  reducer: { counter: counterReducer }
});

export default store;
```



# CONFIGURE THE STORE

```
import React from 'react';
import { useSelector, useDispatch } from 'react-redux';
import { increment, decrement, incrementByAmount } from './counterSlice';

const Counter = () => {
  const count = useSelector((state) => state.counter.value);
  const dispatch = useDispatch();

  return (
    <div>
      <h1>{count}</h1>
      <button onClick={() => dispatch(increment())}>Increment</button>
      <button onClick={() => dispatch(decrement())}>Decrement</button>
      <button onClick={() => dispatch(incrementByAmount(2))}>Increment by 2</button>
    </div>
  );
};

export default Counter;
```



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# FOLLOW FOR MORE



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