Create a reducer

What's a reducer?

A Redux reducer is just a **JavaScript function**. It **takes two parameters:** the current state and action.

In a typical React component, the local state might be mutated in place. In Redux you're not allowed to do that. The **third principle of Redux (as outlined by its creator) prescribes that the state is immutable and cannot change in place.**

In other words, the reducer must be **pure**. A pure function returns the same output for the given input. Despite this terminology reasoning about a **reducer is not that hard.**

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In our example we'll be creating a simple reducer which takes initial state and action as parameters.

Create a new file under the folder Reducers named rootReducer.js.

src/JS/Reducers/rootReducer.js this is the path for the create file

```
const initialState = {
  counter: 0
};


function rootReducer(state = initialState, action) {
  return state;
};


export default rootReducer;
```