

Store

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You will have to import the { createStore } from Redux in your application to create the store.

```
import { createStore } from 'redux';
```

```
{ createStore } :
```

It is the function from Redux library. Instead of Writing Redux.createStore(). createStore() method is preferable to create the store in our react app.

When you will create the store, it should not be changeable. It means no one should be able to make any changes in the store directly. It should be the responsibility of the Reducer to update the store based on Action performed.

```
const store=createStore(); // immutable store.
```

Steps to create Reducer

- 1: create reducers folder in src folder.
- 2: create reducer-users.js file in reducers folder.
- 3: create a stateless component to return the array of user objects. Follow below code.

```
export default function(){  
  return[  
    {  
      id:1,  
      first:'pankaj',  
      last:'sharma',  
      age:35,  
      description:'I am a Trainer'  
    },  
    {  
      id:2,  
      first:'rakesh',  
      last:'trivedi',  
      age:35,  
      description:'I am a Developer'  
    }  
  ]  
}
```

This is the list of users reducer.

If you are working on big application, which may require other data as well apart from user, then for each you should have separate reducer. For example reducer-issues, reducer-todos, reducer-projects etc.

Store is one big javascript object, which will require reducers to make it big. But as a rule we can not provide all the reducers in one store. We need to have one combineReducers, which will basically combine all the reducers, and the combineReducers can be passed to store.

- Create index.js file in reducers and write below code.

```
import {combineReducers} from 'redux';  
import UserReducer from './reducer-users';  
const allReducers=combineReducers({  
  users:UserReducer  
})  
export default allReducers;
```

- Import allReducer in src/index.js file and pass as an argument to createStore(allReducer) method.
Check your final code as below in src/index.js file.

```
import React from 'react';  
import ReactDOM from 'react-dom';  
import { createStore } from 'redux';  
import allReducers from './reducers';  
const store=createStore(allReducers);  
ReactDOM.render(<h1>React-Redux  
App</h1>,document.getElementById('root'));
```

Check your application now on browser, it should not give any error and basic application should be populated.