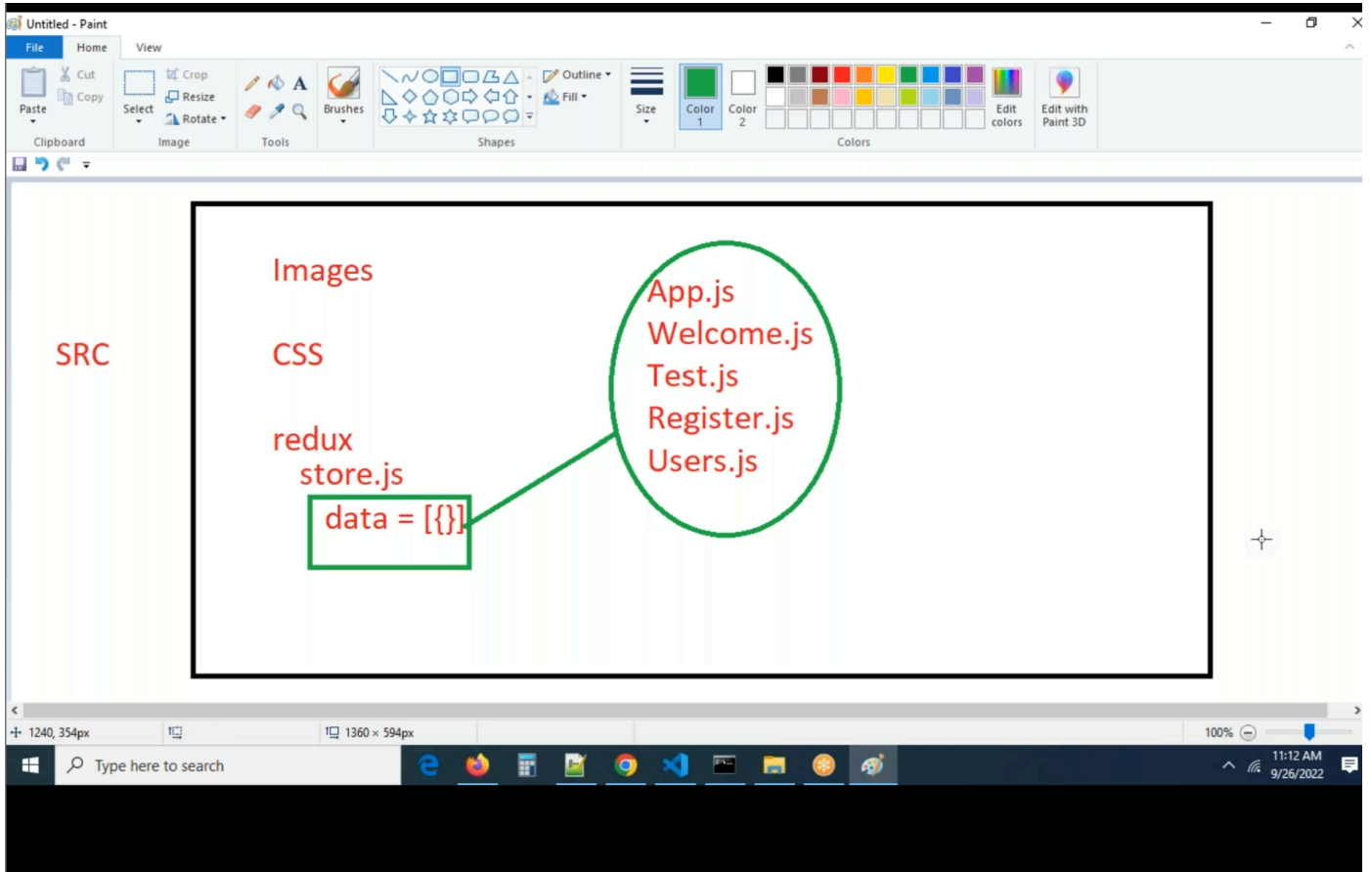


Redux

- create redux folder
- create store.js file



state in class component

```
this.state = {}  
this.setState();
```

state in functional component

=====

```
import { useState } from 'react'  
  
const [counter, setCounter] = useState(0)
```

We know that, the state of the component is available within that component only, we can not access it outside directly

Redux

=====

redux is 3rd party module to manage the state of the application

in react, to maintain the global state of a react application we can use redux

Redux state is available always outside the react components

A screenshot of a web browser window with three tabs: 'welcome.html', 'new 1', and 'new 2'. The content of the browser is a text-based introduction to Redux, explaining its role as a third-party module for managing application state in React. It mentions that Redux state is available outside React components and discusses how to establish communication between React and Redux by installing the '@reduxjs/toolkit' and 'react-redux' packages using npm.

redux is 3rd party module to manage the state of the application

in react, to maintain the global state of a react application we can use redux

Redux state is available always outside the react components

How can we establish communication between react and redux

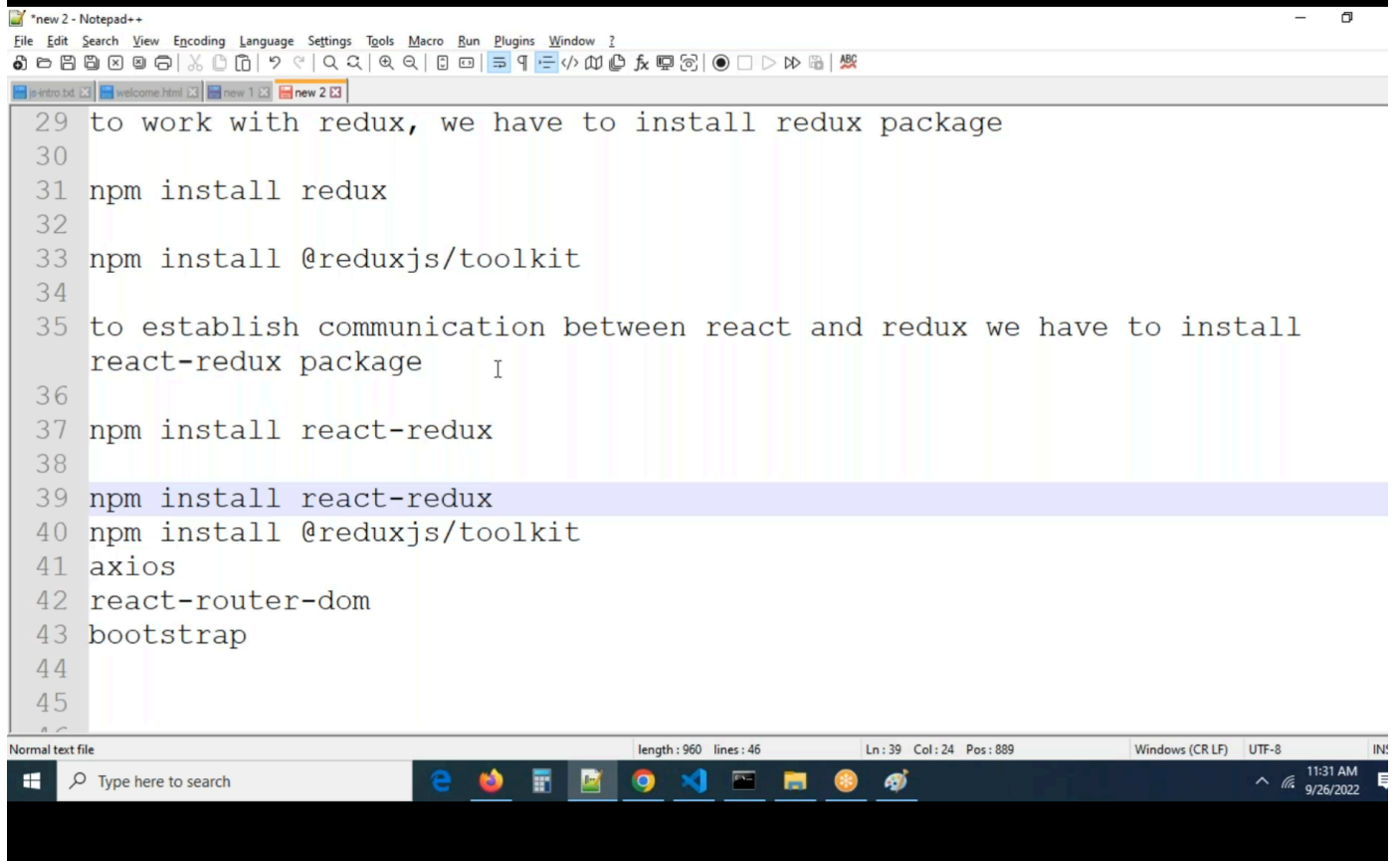
to work with redux, we have to install redux package

npm install @reduxjs/toolkit

to establish communication between react and redux we have to install react-redux package

npm install react-redux

- Create new project and install necessary packages as given below



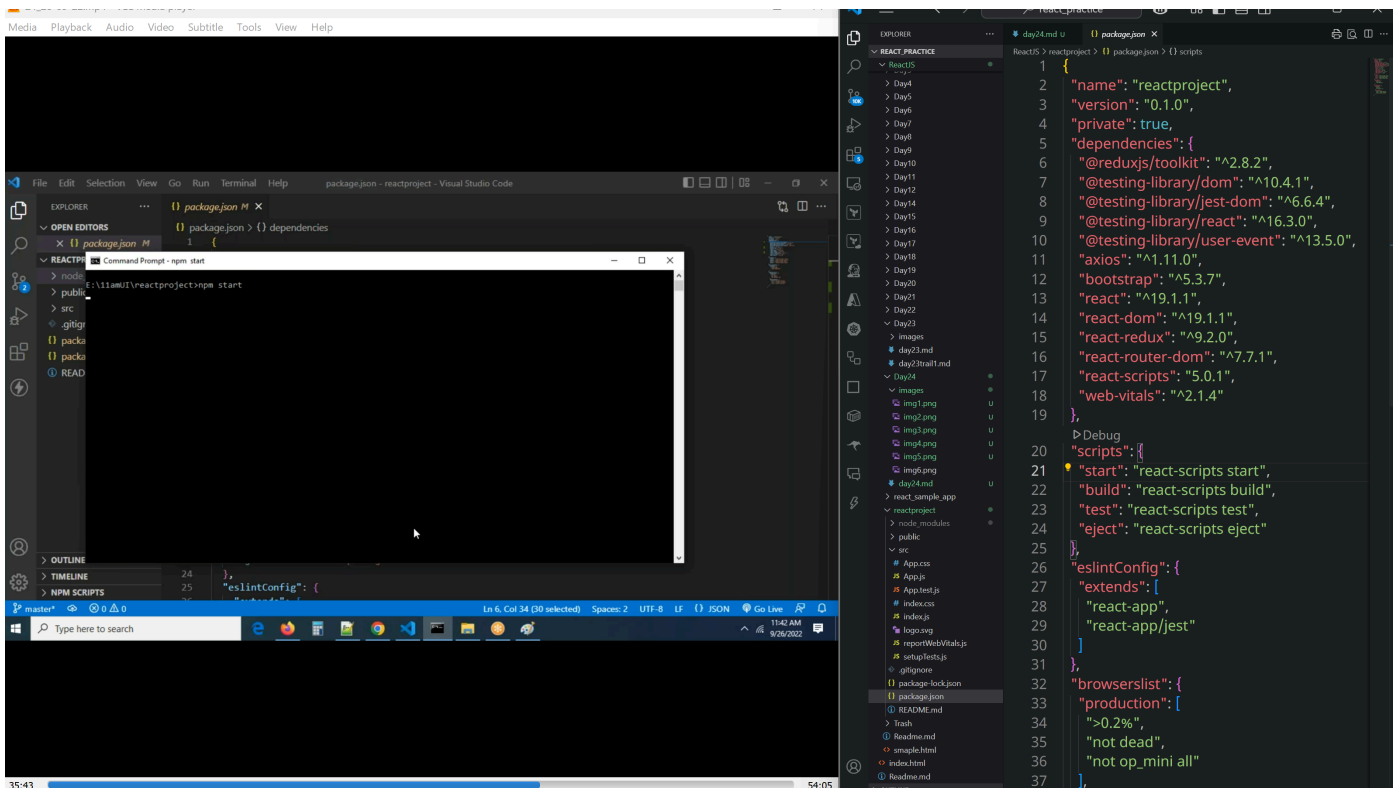
The screenshot shows a Notepad++ window with the following text:

```
29 to work with redux, we have to install redux package
30
31 npm install redux
32
33 npm install @reduxjs/toolkit
34
35 to establish communication between react and redux we have to install
  react-redux package
36
37 npm install react-redux
38
39 npm install react-redux
40 npm install @reduxjs/toolkit
41 axios
42 react-router-dom
43 bootstrap
44
45
```

The status bar at the bottom indicates: length: 960 lines: 46 Ln: 39 Col: 24 Pos: 889 Windows (CR LF) UTF-8. The Windows taskbar is visible at the bottom with the search bar and several application icons.

```
npx create-react-app reactproject
cd reactproject
npm install @reduxjs/toolkit
npm install react-redux
npm install axios
npm install react-router-dom
npm install bootstrap
npm start
```

- check package.json whether they installed or not.



Add `import 'bootstrap/dist/css/bootstrap.min.css'` to index.js file

- remove index.css file

create components folder in src

from bootstrap website copy the code of navbar and add it to Header.js file

- rename class with className
- import `'bootstrap/dist/js/bootstrap.bundle.min.js'` in the index.js file
- Add different components like header, footer, home, slider etc.,