

React Notes

<https://react.dev/learn>

Command	Description
<code>npx create-react-app my-app</code>	Creates a new React application named "my-app"
<code>npm start</code>	Starts the development server and runs the React app
<code>npm run build</code>	Builds the app for production to the build folder
<code>npm test</code>	Launches the test runner in interactive watch mode
<code>npm run eject</code>	Removes the single build dependency from your project
<code>npm install package-name</code>	Installs a package to use in your React project
<code>npm uninstall package-name</code>	Removes a package from your React project
<code>npm update</code>	Updates all the packages in the current project

Creating a New JSX File and Adding CSS and HTML Elements

Step 1: Create a new JSX file

1. Navigate to your project's src folder
2. Right-click and select "New File"
3. Name your file (e.g., "NewComponent.jsx")

Step 2: Set up the basic structure

1. Open the new file in your code editor
2. Add the following code:

```
import React from 'react';

function NewComponent() {
  return (
    <div>
```

```
        {/* Your JSX code will go here */}  
      </div>  
    );  
  }  
  
  export default NewComponent;
```

Step 3: Add HTML elements

1. Replace the comment in the return statement with your desired HTML elements:

```
function NewComponent() {  
  return (  
    <div>  
      <h1>Hello, React!</h1>  
      <p>This is a new component.</p>  
    </div>  
  );  
}
```

Step 4: Add CSS

1. Create a new CSS file (e.g., "NewComponent.css") in the same directory
2. In the CSS file, add your styles:

```
.new-component {  
  background-color: #f0f0f0;  
  padding: 20px;  
  border-radius: 5px;  
}  
  
.new-component h1 {  
  color: #333;  
}
```

```
.new-component p {  
  color: #666;  
}
```

3. Import the CSS file in your JSX file:

```
import React from 'react';  
import './NewComponent.css';  
  
function NewComponent() {  
  return (  
    <div className="new-component">  
      <h1>Hello, React!</h1>  
      <p>This is a new component.</p>  
    </div>  
  );  
}  
  
export default NewComponent;
```

Step 5: Use the new component

1. In your main App.js or another component where you want to use this new component:

```
import React from 'react';  
import NewComponent from './NewComponent';  
  
function App() {  
  return (  
    <div>  
      <h1>My React App</h1>  
      <NewComponent />  
    </div>  
  );  
}
```

```
}  
  
export default App;
```

Remember to save all files after making changes. Your new component with HTML elements and CSS styling is now ready to use in your React application.