**1. Create a folder and initialize NPM**

npm init -y

**2. Install the following packages**

npm i react react-dom

npm i -D @babel/core @babel/preset-env @babel/preset-react babel-loader css-loader html-webpack-plugin sass sass-loader style-loader url-loader webpack webpack-cli webpack-dev-server

**3. Create .babelrc file**

{

  "presets": ["@babel/preset-env", "@babel/preset-react"]

}

1

**4. Create a webpack.config.js file**

const path = require("path");

const HtmlWebpackPlugin = require("html-webpack-plugin");

module.exports = {

  output: {

    path: path.join(\_\_dirname, "/dist"), // the bundle output path

    filename: "bundle.js", // the name of the bundle

  },

  plugins: [

    new HtmlWebpackPlugin({

      template: "src/index.html", // to import index.html file inside index.js

    }),

  ],

  devServer: {

    port: 3030, // you can change the port

  },

  module: {

    rules: [

      {

        test: /\.(js|jsx)$/, // .js and .jsx files

        exclude: /node\_modules/, // excluding the node\_modules folder

        use: {

          loader: "babel-loader",

        },

      },

      {

        test: /\.(sa|sc|c)ss$/, // styles files

        use: ["style-loader", "css-loader", "sass-loader"],

      },

      {

        test: /\.(png|woff|woff2|eot|ttf|svg)$/, // to import images and fonts

        loader: "url-loader",

        options: { limit: false },

      },

    ],

  },

};

webpack.config.js

**5. Create an /src folder and create the following files inside it**

|-- src  
  |-- App.js  
  |-- App.scss  
  |-- index.html  
  |-- index.js

import React from "react";

const App = () => {

  return <h1>Hello React</h1>;

};

export default App;

App.js

h1 {

  color: red;

}

App.scss

<!DOCTYPE html>

<html lang="en">

  <head>

    <meta charset="UTF-8" />

    <meta http-equiv="X-UA-Compatible" content="IE=edge" />

    <meta name="viewport" content="width=device-width, initial-scale=1.0" />

    <title>React with Webpack</title>

  </head>

  <body>

    <div id="app"></div>

    <!-- Notice we are pointing to `bundle.js` file -->

    <script src="bundle.js"></script>

  </body>

</html>

index.html

import React from "react";

import ReactDOM from "react-dom";

import App from "./App";

import "./App.scss";

const el = document.getElementById("app");

ReactDOM.render(<App />, el)

index.js

**6. Create serve and build scripts**

In your package.json file, add the following:

{

  "name": "react-webpack",

  "version": "1.0.0",

  "description": "",

  "main": "index.js",

  "scripts": {

    "serve": "webpack serve --mode development",

    "build": "webpack --mode production"

  },

  "keywords": [],

  "author": "",

  "license": "ISC",

  "dependencies": {

    "react": "^17.0.2",

    "react-dom": "^17.0.2"

  },

  "devDependencies": {

    "@babel/core": "^7.15.0",

    "@babel/preset-env": "^7.15.0",

    "@babel/preset-react": "^7.14.5",

    "babel-loader": "^8.2.2",

    "css-loader": "^6.2.0",

    "html-webpack-plugin": "^5.3.2",

    "sass": "^1.38.1",

    "sass-loader": "^12.1.0",

    "style-loader": "^3.2.1",

    "url-loader": "^4.1.1",

    "webpack": "^5.51.1",

    "webpack-cli": "^4.8.0",

    "webpack-dev-server": "^4.0.0"

  }

package.json

**7. Build the app**

Run npm run build in the terminal. You will see the following output:

|-- dist  
  |-- bundle.js  
  |-- bundle.js.LICENSE.txt  
  |-- index.html

Finally, open the index.html file and you should see your app.

**8. Run and modify your app**

Run the app with npm run serve. Open your browser on http://localhost:3030/. Try to modify it and see the changes on the fly.