**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 file-loader css-loader style-loader webpack webpack-cli

**3. Create .babelrc file**

{

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

}

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

const path = require('path');

module.exports = {

    output: {

        path: path.join(\_\_dirname, '/dist'),

        filename: 'index.bundle.js',

    },

    devServer: {

        port: 3000

    },

    module: {

        rules: [

            {

                test: /\.(js|jsx)$/,

                exclude: /node\_modules/,

                use: {

                    loader: 'babel-loader'

                }

            },

        ]

    }

};

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

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

**App.js**

import React from "react";

const App = () => {

  return <h1>Hello React</h1>;

};

export default App;

**index.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>ReactJs App</title>

</head>

<body>

    <div id="app"></div>

    <script src="index.bundle.js"></script>

</body>

</html>

**index.js**

require('file-loader?name=[name].[ext]!./index.html');

import React from "react";

import ReactDOM from "react-dom";

import App from './App';

ReactDOM.render(<App />, document.getElementById('app'));

**6. Create .gitignore file**

node\_modules

dist

**7. Create serve and build scripts**

In your package.json file, add the following:

  {

  "name": "code",

  "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": "^7.19.3",

    "@babel/preset-env": "^7.19.4",

    "@babel/preset-react": "^7.18.6",

    "babel-loader": "^8.2.5",

    "css-loader": "^6.7.1",

    "file-loader": "^6.2.0",

    "style-loader": "^3.3.1",

    "webpack": "^5.74.0",

    "webpack-cli": "^4.10.0",

    "webpack-dev-server": "^4.11.1"

  }

}

**8. Run and modify your app**

Run the app with npm run serve. Open your browser on http://localhost:3000/. Try to modify it and see the changes on the fly.

**9. 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\