React

global installation

- this has to be done only once
- install babel globally from any directory

```
sudo npm install —g babel—cli
sudo npm install —g create—react—app
```

• install live-server globally from any directory

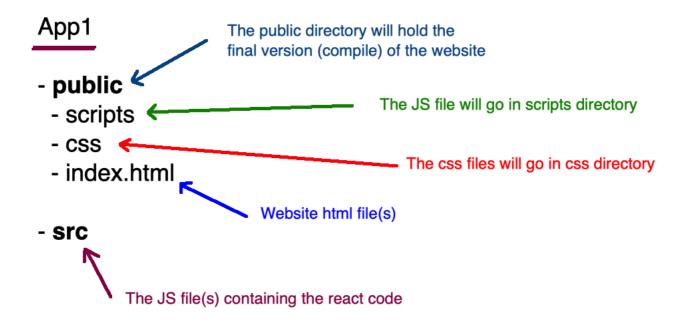
```
sudo npm install -g live-server
```

• inside the application directory install required babel preset packages

•

create a project

• create the project directory structure



• install required babel packages in the project directory

```
npm install babel-preset-env babel-preset-react
```

add index.html page in public directory

```
<!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>Gaana</title>
</head>
<body>
<h1>Welcome to My Gaana</h1>
<div id="app"></div>
<script
    src="https://unpkg.com/react@17/umd/react.production.min.js"
```

• create a file named **component.js** in src directory with following contents

```
// template to be rendered
const template = <h1>Song Info Component</h1>

// the placeholder where the template will be rendered
const root = document.getElementById('app')

// render the template into the root element
ReactDOM.render(template, root)
```

• compile the react code to the previous generation js code

```
babel src/component.js --out-file public/scripts/app.js --
presets=env,react
```

start the project

```
live-server public
```

component having array of values

```
</div>
```

create-react-app

• create project

```
npx create-react-app <application name>
```

• run the project

```
cd continue
npm start
```