**21. Command to Create a React App**

npx create-react-app my-app

**Explanation of the Command:**

1. **npx**: Executes a package without globally installing it.
2. **create-react-app**: A command-line tool to bootstrap a new React application with a standard setup.
3. **my-app**: The name of the folder where the app will be created.

After running the command, navigate to your app folder:

cd my-app

Start the development server:

npm start

**Folder Structure**

Once the app is created, the default folder structure looks like this

my-app/

├── node\_modules/

├── public/

├── src/

├── .gitignore

├── package.json

├── README.md

├── yarn.lock / package-lock.json

**Folder and File Explanations:**

**1. node\_modules/**

* Contains all the dependencies and modules required for the React app.
* Automatically managed by npm or yarn.
* Avoid directly modifying this folder.

**2. public/**

* Contains static files accessible to the browser.
* Key files:
  + **index.html**:
    - The main HTML file for the app.
    - React injects components into the <div id="root"> inside this file.
  + **favicon.ico**:
    - Default favicon (icon displayed in the browser tab).
  + **manifest.json**:
    - Configures Progressive Web App (PWA) settings, such as icons and display behavior.
  + **robots.txt**:
    - Tells search engines which pages to crawl or ignore.

**3. src/**

* Contains the source code of the React app.
* Key files:
  + **App.js**:
    - Main React component (functional by default) that acts as the entry point for custom components.
  + **index.js**:
    - The entry point for the application. It renders the React app into the DOM using ReactDOM.render().
  + **App.css**:
    - CSS file to style the App component.
  + **index.css**:
    - Global CSS file applied to the entire app.
  + **logo.svg**:
    - Default React logo, used in App.js.
  + **reportWebVitals.js**:
    - Used for measuring app performance.
  + **setupTests.js**:
    - Used for setting up test environments with Jest.

**4. .gitignore**

* Specifies files and folders that should be ignored by Git (e.g., node\_modules).

**5. package.json**

* Contains metadata about the project, such as:
  + **Dependencies**: Libraries required to run the app.
  + **Scripts**: Predefined commands like start, build, test.
  + **Versioning**: Keeps track of the app version.

**6. README.md**

* Default documentation file with instructions for running and developing the app.

**7. yarn.lock / package-lock.json**

* Automatically generated files that lock dependency versions for consistency.