

INTRODUCTION TO REACT JS

• What is React ?

React is a Javascript library for building user interfaces. It is the view layer of web applications.

React Js was created by Jordan Walke, a software engineer at Facebook and open sourced to the world by Facebook and Instagram.

Broadly speaking, to write React apps we write React components that corresponds to various interface elements.

• Features of React

React	Angular
<ul style="list-style-type: none">• React is a small view library.	<ul style="list-style-type: none">• Angular is a full framework
<ul style="list-style-type: none">• React covers only the rendering and event handling part	<ul style="list-style-type: none">• Angular provides the complete solution for front-end development.
<ul style="list-style-type: none">• Presentation code in Javascript powered by JSX.	<ul style="list-style-type: none">• HTML embedded with Javascript expressions.
<ul style="list-style-type: none">• Core size is smaller, so bit fast.	<ul style="list-style-type: none">• contains lot of code, longer loading time.
<ul style="list-style-type: none">• Flexible• Virtual DOM	<ul style="list-style-type: none">• Less Flexibility• Actual DOM

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• SYSTEM CONFIGURATION

→ To install create-react-app, follow the below steps.

1. Install node.js with version 14+ from Node.js official site.

→ Check the node version install in your machine.

```
D:\> node -v  
V17.2.0
```

2. Install create-react-app by running the command.

```
D:\> npm install -g create-react-app
```

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3. Once the installation is done,
create a React app using

```
D:\> create-react-app my-app
```

The above code creates a project
my-app with the below folder
structure.

✓ MY-APP
> node-modules
✓ Public
⬠ favicon.ico
<> index.html
:
✓ Src
Js index.js
{} package.json

- The description of the folder structure is :-

- node_modules - All the node module dependencies are created in this folder.
- public - contains the public static assets of the application.
- public/index.html - first page loaded when you run the application.
- src - All application related files are created in this folder.
- src/index.js - entry point of the application

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