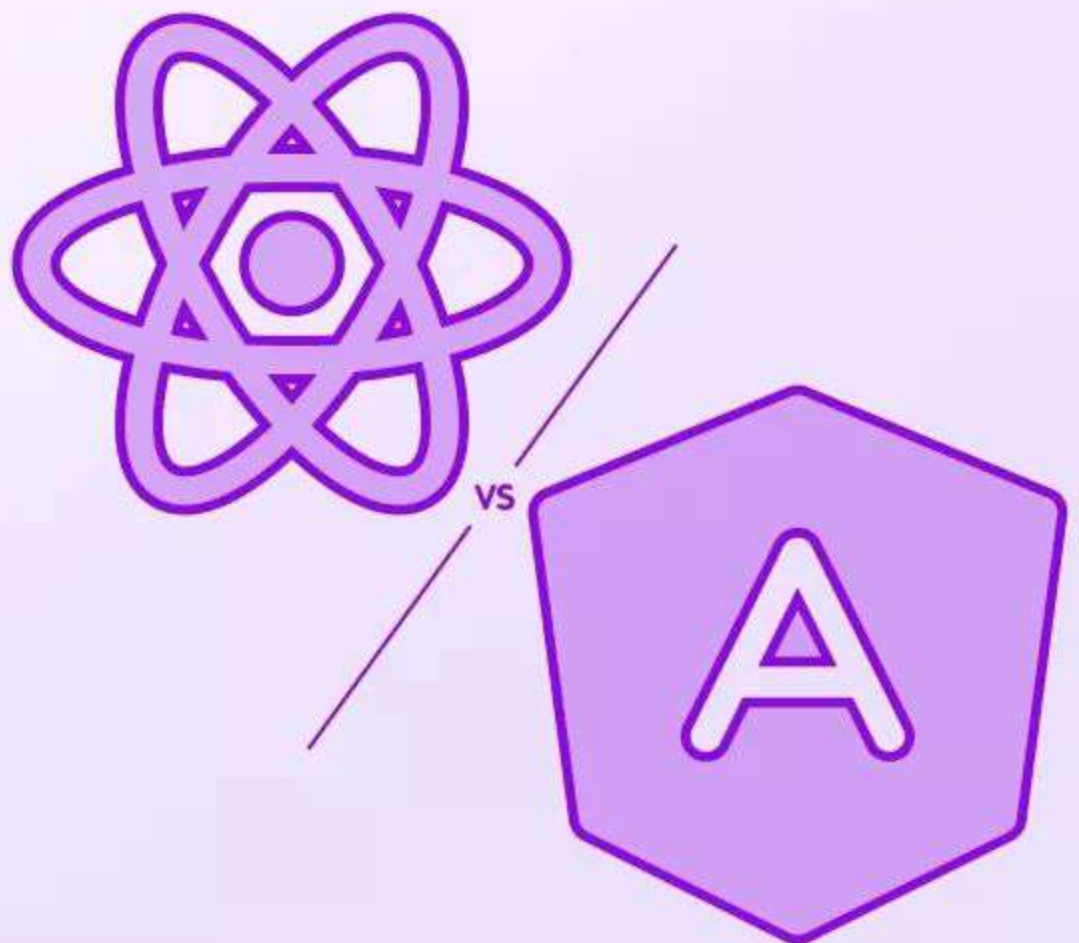# React
vs Angular

VS

1

Overview

- **React:** JS library for UI development
  Managed by: Facebook
  Launched: May 2013

- **Angular:** Full-fledged JS Framework
  Managed by: Google
  Launched: Sep 2016*

2

Concept

- **React**: Brings HTML into JavaScript Works with the virtual DOM Server-side rendering

- **Angular**: Brings JavaScript into HTML Works with the real DOM Client-side rendering

3

Learning Curve

- **React:** It is easier to grasp compared Angular. However, it is difficult to learn when augmented with Redux.

- **Angular:** Learning Angular is not easy for beginners. Thus, it requires lots of training.

4

Language

- React: It's based on JavaScript ES6+ combined with JSX script. JSX makes a JavaScript code resemble that written in HTML

- Angular: Angular can use JavaScript or TypeScript, which is a superset of JS developed specifically for larger projects.

5

Data binding

- React uses one-way data binding, which means that the UI elements can't be changed without updating the corresponding model state.

- Angular uses the two-way data binding method. It helps you to ensure that the model state automatically changes when any change is made.

NEXT ➡

6

Community

- React is one of the most popular JS frameworks worldwide, and the community supporting and developing it is huge.

- Google provides the long-term support of the framework and constantly improves it. However, the updates are so fast that the documentation often falls behind.

7

Testing and debugging

- **React**: it requires a set of tools to perform different types of testing.

- **Angular**: The testing and debugging for a complete project is possible with a single tool.