

REACT JS

Prerequisites

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PREREQUISITES FOR LEARNER:

HTML Beginner Knowledge

CSS Beginner Knowledge

JavaScript Intermediate Knowledge

LEARNER MUST KNOW FOLLOWING ES6/ES7 CONCEPTS:

let & const

Template Literal

Arrow Function

Class

Default Parameters

Destructuring

Spread Operator

Modules

DEVELOPING REACTJS

Editors: Sublime Text, Atom, VS Code, Webstorm etc.

Online Code Playgrounds: codepen.io, JSBin

END OF CHAPTER

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APPENDIX

Babel comes packaged as a Node.js module.

Recent version of Node.js must be installed.

NPM is used to download ReactJS libraries and Babel.

Current version of JavaScript is ES7.

Browser vendors are slow to adopt new JS features, thus browser support for even ES6 at the moment is quite poor.

Today, most browsers have good support for only ES5.

ReactJS allows development in ES6 & ES7 with the help of a technology called **Babel**.

Babel is the go-to transpiler for ES6/7.

Transpiling is taking source code written in one language and transforming it into source code of another language.

Using Babel, a ReactJS developer can write code in ES6/7 and then transpile it to ES5 and then give it to browsers to execute.

Babel is used as a dev-dependency to create a production build of ReactJS code.

It is not needed in PROD.

However, for learning purposes, babel is also available in standalone mode where you can transpile ES6/7 code in real-time in the browser.

<https://github.com/babel/babel-standalone/releases>

CDN FOR DIRECT BROWSER USAGE:

<https://unpkg.com/babel-standalone@6/babel.min.js>

SCRIPT TYPE FOR BABEL:

text/babel

TRY OUT BABEL ONLINE:

<https://babeljs.io/repl/>