



Learning ECMAScript 6

By Narayan Prusty

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Learn all the new ES6 features and be amongst the most prominent JavaScript developers who can write efficient JS programs as per the latest standards!

About This Book

- Learn a powerful approach to writing object-oriented JavaScript code using ES6
- Create and use ES6 modules to learn to write smart, modularized JavaScript code
- The book will take you step-by-step through a wide array of examples, giving you tips on how to make the best use of the latest ES6 features

Who This Book Is For

If you are a JavaScript developer with basic development, and now want to learn about the latest features in order to develop better client-side programs with JavaScript, then this book is for you.

What You Will Learn

- Explore the usage of new syntaxes introduced by ES6
- Use the new prototype-based features introduced by ES6
- Execute ES6 in an old non-supported ES6 environment
- Write asynchronous code using promise to facilitate the writing of better asynchronous code that is easier to read and maintain
- Create and understand the usage of iterators, iterables, and generators
- Get to know object-oriented programming and create objects using classes
- Build proxies using the ES6 proxy API and understand its uses
- Create JavaScript libraries using ES6 modules

In Detail

ECMAScript 6 is the new edition to the ECMAScript language, whose

specifications are inherited by JavaScript. ES6 gives a vast makeover to JavaScript by adding new syntaxes and APIs to write complex applications and libraries that are easier to debug and maintain. ES6 aims to keep JavaScript accessible for casual developers, even after adding so many new features.

This book will provide step-by-step instructions on how to apply ES6 features instead of old JavaScript hacks and methods.

The book will start by introducing all the built-in objects of ES6 and how to create ES6 custom Iterators. Next, it will teach you how to write asynchronous code in a synchronous style using ES6.

Moving on, the book will teach how to use Reflect API to inspect and manipulate object properties. Next, it teaches how to create proxies, and use it to intercept and customize operations performed on objects.

Finally, it explains old modular programming techniques such as IIFE, CommonJS, AMD, and UMD and also compares it with ES6 modules and how ES6 modules can increase the performance of websites when used.

Style and approach

This book is a pragmatic guide that takes you through the ES6 APIs and other features in a conversational and easy-to-follow style. Each topic is explained with examples and use cases.

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Editorial Review

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Narayan Prusty is a web and mobile app developer. He specializes in WordPress, HTML5, JavaScript, PHP, Solr, and Cordova. He has been learning and building applications using these technologies for many years. He is the founder of QScutter.com, which provides courses on various application development topics and has more than 10,000 subscribers worldwide. His personal blog, <http://www.QNimate.com>, is among the top Intel XDK and WordPress blogs. He also works as a consultant and freelance developer for many companies worldwide. Visit him online at <http://www.twitter.com/narayanprusty>.

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