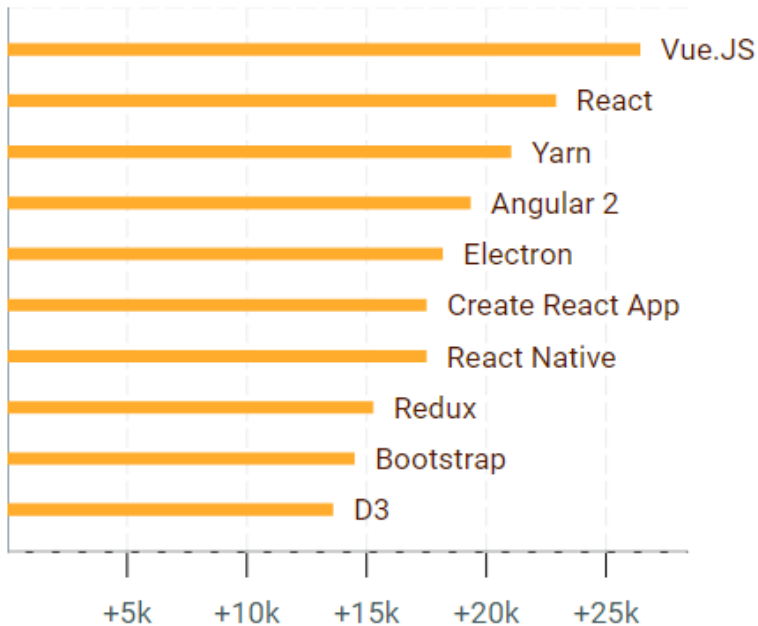


Vue.js란?



■ Vue.js란?

- Google Creative Lab에서 일하던 에반 유(Evan You)가 UI 인터페이스를 빠르게 개발하기 위해 만듦
- 웹 화면 작성에 최적화된 프레임워크

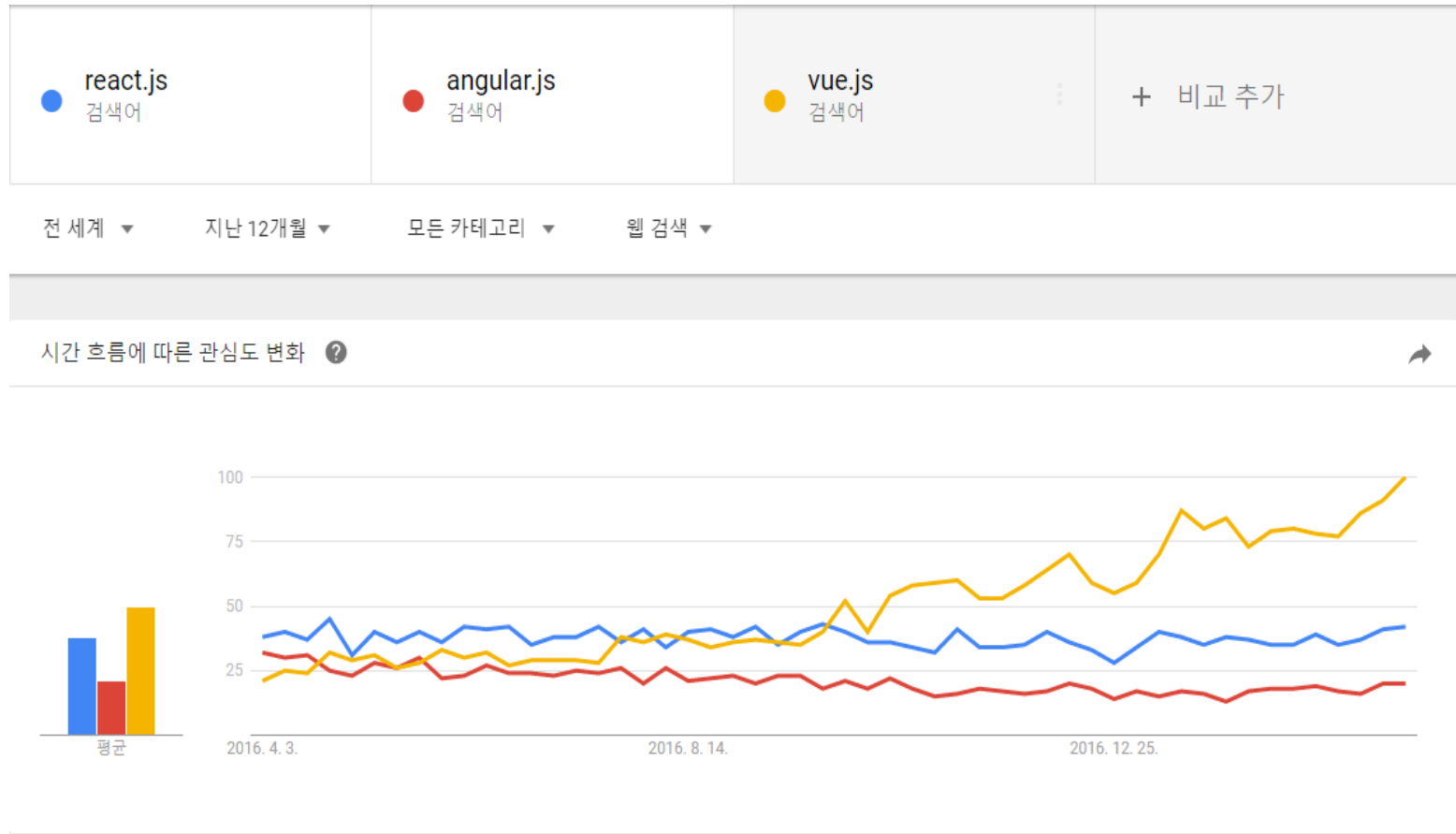


github star수 : <https://risingstars2016.js.org/?ref=freecodecamp-loves-you#all>

Vue.js란?



■ 구글 트렌드



Vue.js란?



- <http://bestof.js.org/tags/framework/trending/last-3-months>

Frameworks (27 projects)

★ POPULAR			🔥 TRENDING		
Today	This week	This month	Last 3 months	Last 12 months	
	Vue.JS	+ 117 ★ /day		React	+ 73 ★ /day
A progressive, incrementally-adoptable JavaScript framework...			A declarative, efficient, and flexible JavaScript library for build...		
vue 2.2.6 npm 89%			react 15.4.2 npm 91%		
🕒 1 day ago			🕒 12 hours ago		
	Angular 2	+ 36 ★ /day		Inferno	+ 26 ★ /day
One framework. Mobile & desktop.			An extremely fast, React-like JavaScript library for building m...		

Vue.js란?



■ Vue.js 의 장점

- 가볍고 유연함
 - 전체 아키텍처를 새롭게 구성할 필요가 없음 : 기존 앱의 일부 화면의 UI에 적용 가능
 - 원한다면 SPA(Single Page Application)으로 구성 가능 : Router 기능 지원
- 완만한 학습 곡선
 - 진입 장벽이 상대적으로 낮음
 - 잘 정리되어 있는 문서

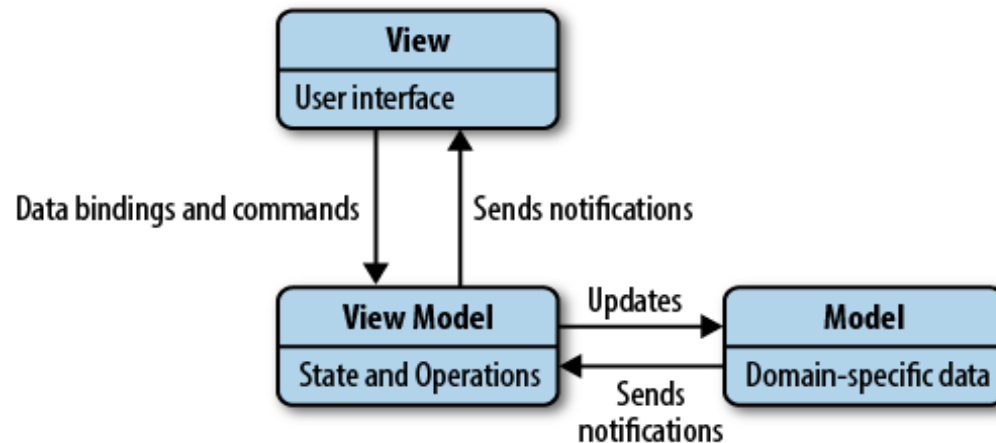
Vue.js란?



❖ MVVM 패턴

- Model - View - ViewModel
- 애플리케이션의 로직과 사용자 UI를 분리
- View : HTML + CSS
- ViewModel : View의 실제 논리 및 데이터 흐름 담당

MVVM

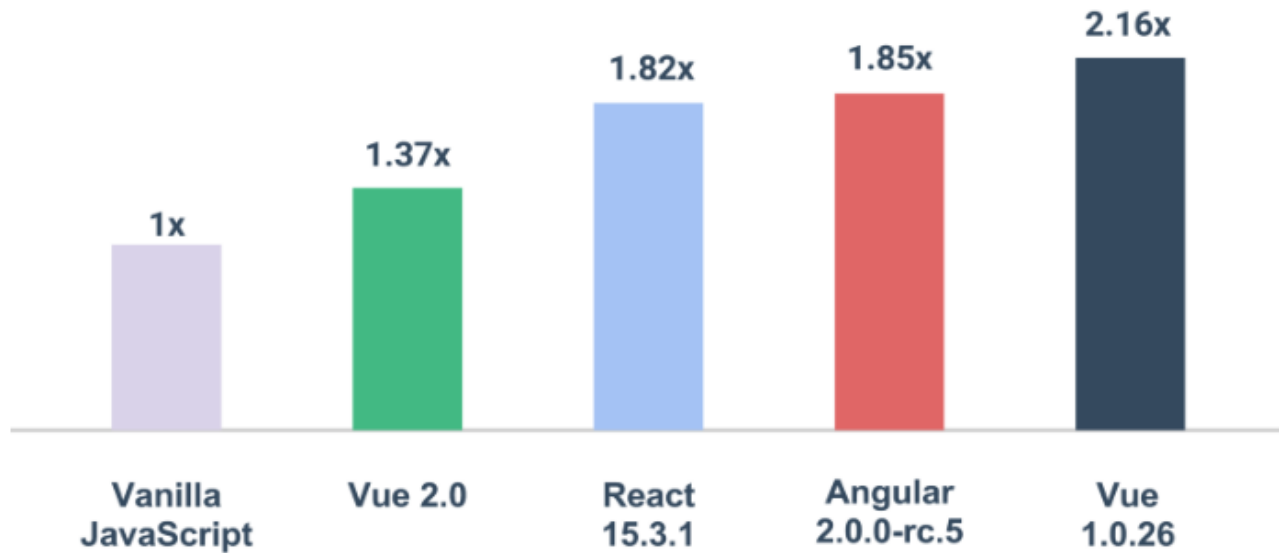


Vue.js란?



가상 DOM 지원

- 빠른 UI 속도
- 작은 자바스크립트 파일 크기



벤치마크 테스트 결과

개발 환경 설정

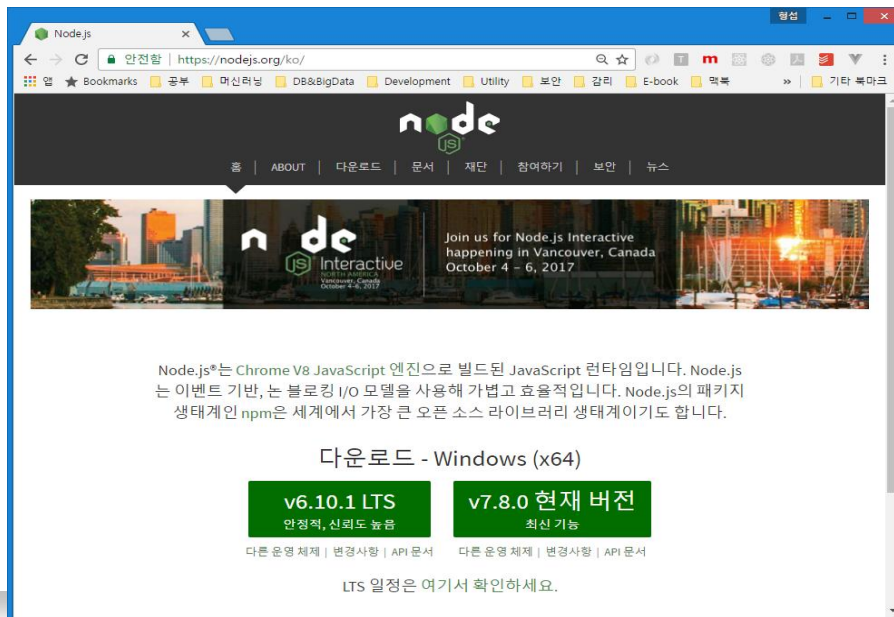


■ node.js

- <https://nodejs.org/ko/> 에서 다운로드 후 설치

■ npm 업데이트

- `npm install -g npm` (윈도우)
- `sudo npm install -g npm` (MacOSX)

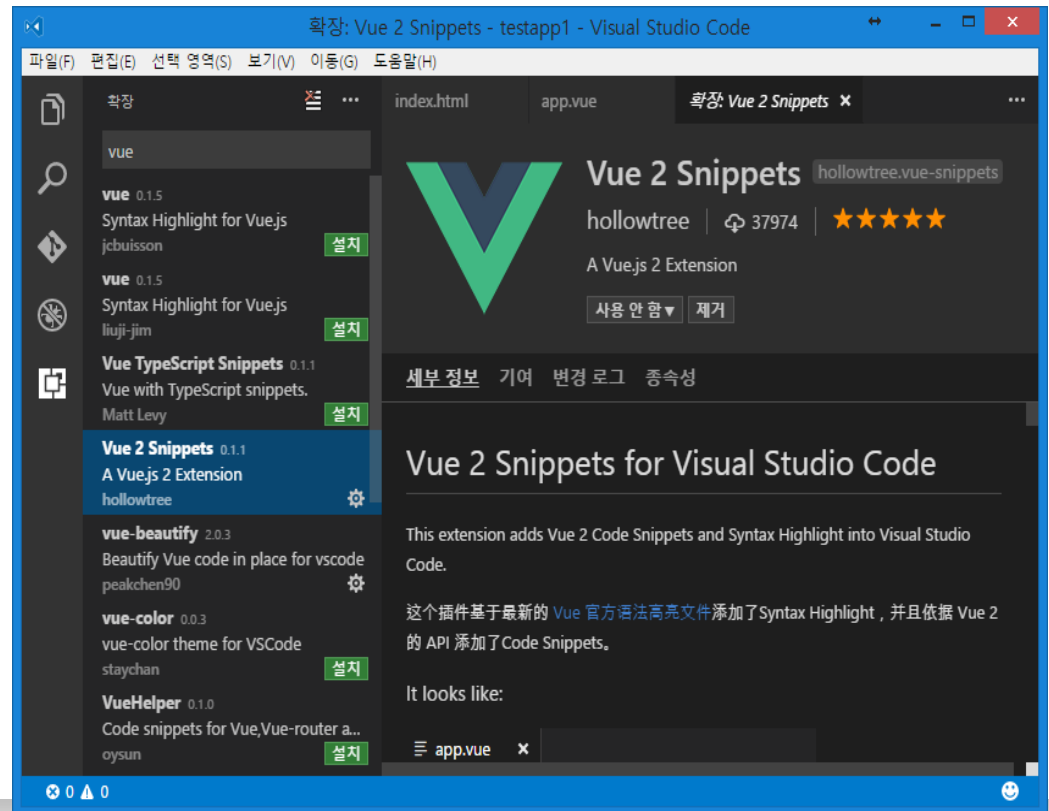


개발 환경 설정



❖ Visual Studio Code 설치

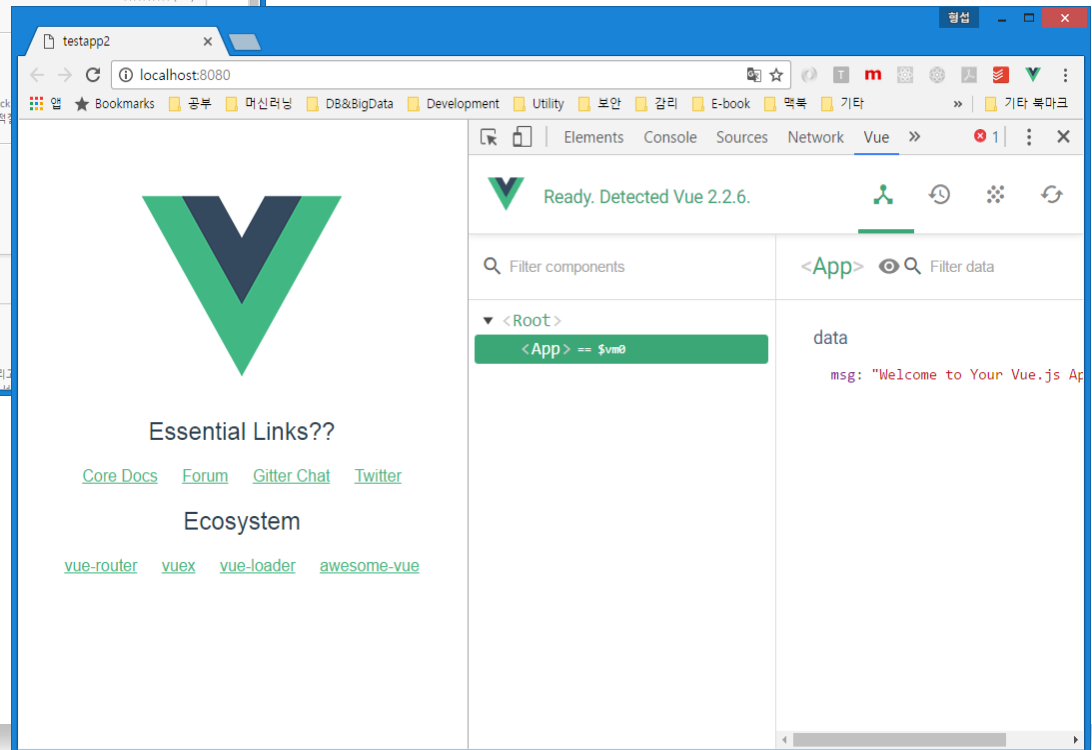
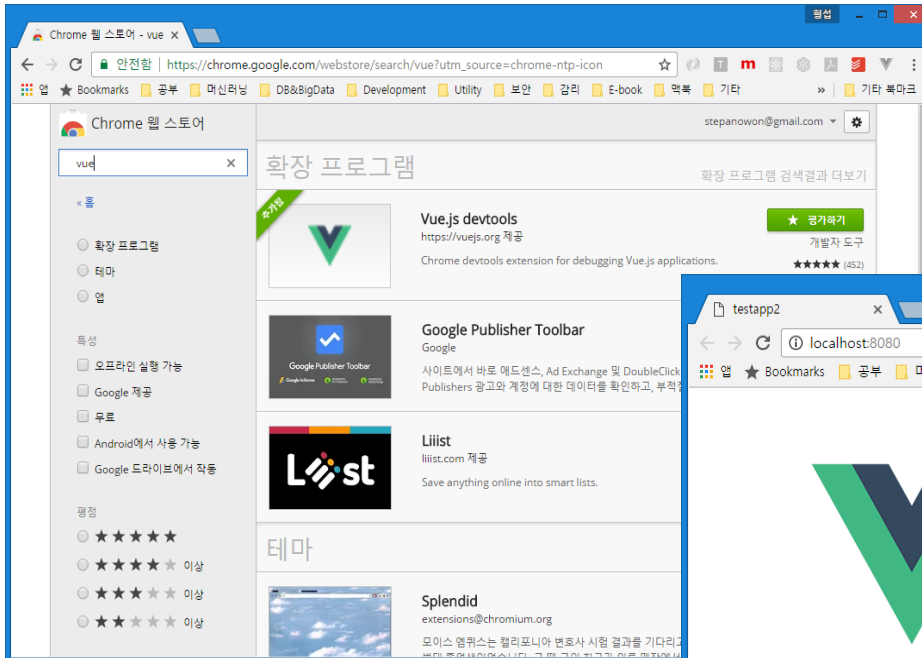
- <https://code.visualstudio.com/> 에서 다운로드 후 설치
- 추가하면 편리한 플러그인
 - View In Browser
 - HTML Snippets
 - JS-CSS-HTML Formatters
 - Vue-beautify
 - vetur
 - Vue 2 Snippets



개발 환경 설정



크롬 브라우저 & Vue Devtools



개발 환경 설정



■ vue-cli

- 커맨드 라인 인터페이스 기반의 스캐폴딩 도구
 - npm install -g vue-cli (Window에서)
 - sudo npm install -g vue-cli (MacOS에서)

```
C:\dev\vuejs>vue list
```

Available official templates:

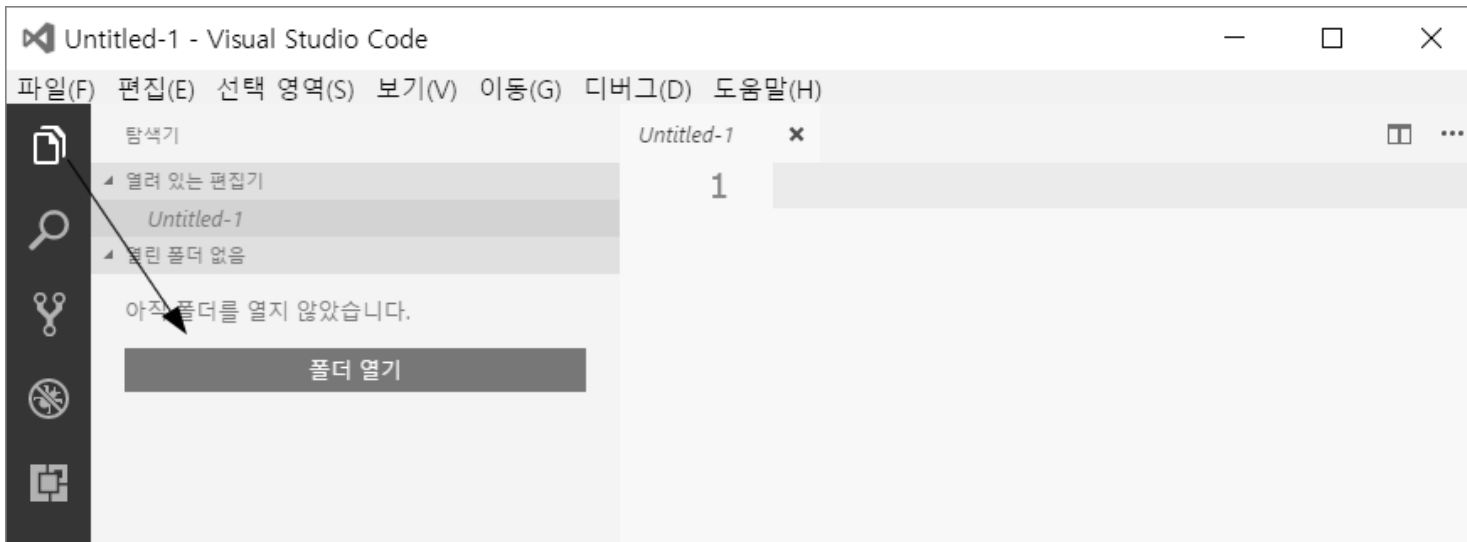
- ★ browserify - A full-featured Browserify + vueify setup with hot-reload, linting & unit testing.
- ★ browserify-simple - A simple Browserify + vueify setup for quick prototyping.
- ★ simple - The simplest possible Vue setup in a single HTML file
- ★ webpack - A full-featured Webpack + vue-loader setup with hot reload, linting, testing & css extraction.
- ★ webpack-simple - A simple Webpack + vue-loader setup for quick prototyping.

첫번째 vue.js 앱



❏ Hello World

```
C:\dev\vuejs>vue init simple hellovuejs  
  
This will install Vue 2.x version of the template.  
For Vue 1.x use: vue init simple#1.0 hellovuejs  
? name hellovuejs  
vue-cli · Generated "hellovuejs".
```



첫번째 vue.js 앱



■ (이어서)

[예제 01-01]

```
01: <!DOCTYPE html>
02: <html>
03: <head>
04:   <meta charset="utf-8">
05:   <title>hello vue.js</title>
06:   <script src="https://unpkg.com/vue/dist/vue.min.js"></script>
07: </head>
08: <body>
09:   <div id="simple">
10:     <h2>{{message}}</h2>
11:   </div>
12:   <script type="text/javascript">
13:     var model = {
14:       message : '첫 번째 Vue.js 앱입니다.'
15:     };
16:
17:     var simple = new Vue({
18:       el : '#simple',
19:       data : model
20:     })
21:   </script>
22: </body>
23: </html>
```

