
JavaScript

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JavaScript, is a lightweight interpreted or just-in-time compiled programming language with first-class functions. While it is most well-known as the scripting language for Web pages, many non-browser environments also use it, such as Node.js, Apache CouchDB and Adobe Acrobat.

1 Simplistic JavaScript 1

1.1 Command-line based programming

A simple project:

```
$bash: touch {index.html,script.js,style.css}
$bash: tree
----- index.html
----- script.js
----- style.css
```

Include the script (`javascript`) and the page styling script (`cascading stylesheet`) files into the `index.html`.

```
<head>
  <script src="path/*.js"></script>
  <link rel="stylesheet"
        href="path/*.css">
</head>
```

Add some simple HTML markup code and launch a live-server of the code.

```
<!DOCTYPE>
<html>
  <head>
    <script src="script.js"></script>
    <link rel="stylesheet"
          href="style.css">
  </head>
  <body>
```

```
<div id="header">
  <h1>Welcome to
      JavaScript</h1>
</div>
</body>
</html>
```

Launch the command-line (Terminal)

```
$bash: live-server
```

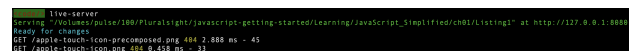
A terminal window showing the output of the live-server command. It indicates that the server is running on http://127.0.0.1:8080 and lists the files being served: index.html, script.js, and style.css.

Figure 1: Live-server

1.2 Plunker

Or create an account on [Plunker](#). Plunker sets up your working environment for you.

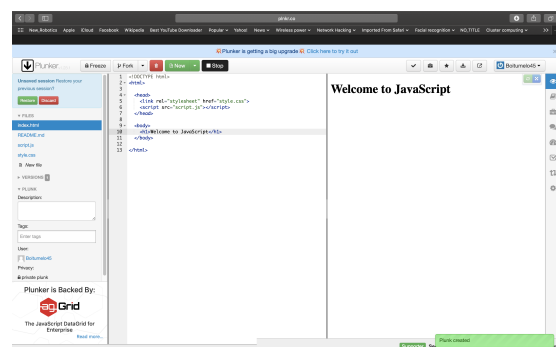


Figure 2: Plunker

1.3 Electron

Watch this video [Electron](#).

```
# Clone the Quick Start repository
$ git clone https://github.com/electron/electron-quick-start

# Go into the repository
$ cd electron-quick-start

# Install the dependencies and run
$ npm install && npm start
```

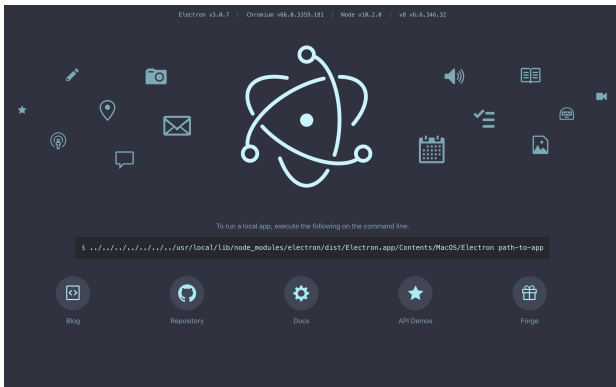


Figure 3: Electron

```
$bash: mkdir Electron1; cd Electron1; npm init
1 {
2   "name": "electron1",
3   "version": "1.0.0",
4   "description": "First App",
5   "main": "index.js",
6   "scripts": {
7     "test": "echo \"Error: no test
  specified\" && exit 1"
8   },
9   "keywords": [
10    "Electron"
11  ],
12   "author": "Boitumelo Phetla",
13   "license": "ISC"
14 }
```

At this point, you'll need to install electron itself. The recommended way of doing so is to install it as a development dependency in your app, which allows you to work on multiple apps with different Electron versions. To do so, run the following command from your app's directory:

```
$bash: npm install --save-dev electron
$bash: tree -L 1
.
|_____node_modules
|_____package-lock.json
|_____package.json
```

1 directory, 2 files

All APIs and features found in Electron are accessible through the electron module, which can be required like any other Node.js module:

```
const electron = require('electron')
```

To avoid any huddles, try this simple example.

```
# Clone the repository
$ git clone https://github.com/electron/electron-quick-start
# Go into the repository
$ cd electron-quick-start
# Install dependencies
$ npm install
# Run the app
$ npm start
```

1.4 Meteor

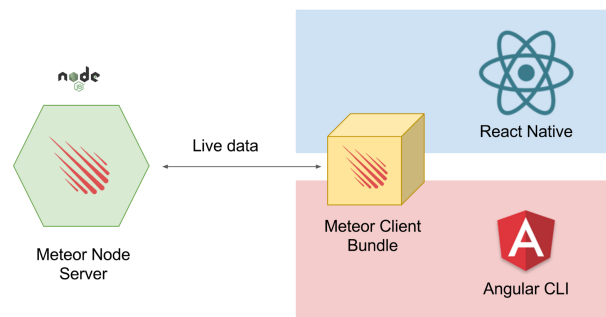


Figure 4: Meteor

To create the app, open your terminal and type:

```
$bash: meteor create simple-todos
```

output:

Created a **new** Meteor app in 'simple-todos'.

To run your **new** app:

```
cd simple-todos
meteor
```

If you are **new** to Meteor, **try** some of the learning resources here:

<https://www.meteor.com/tutorials>

To start with a different app template, **try** one of the following:

```
meteor create --bare # to create an empty app
meteor create --minimal # to create an app
  with as few Meteor packages as possible
meteor create --full # to create a more
  complete scaffolded app
```

1.5 JavaScript Editors (IDEs)

- [Plunker](#)
- Second item in a list
- Third item in a list