JavaScript

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May 22, 2019

avaScript, 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*.

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

Launch the command-line (Terminal)

\$bash: live-server



Figure 1: Live-server

1.2 Plunker

Or create an account on Plunker. Plunker sets up your working environment for you.

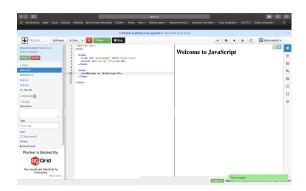


Figure 2: Plunker

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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
```

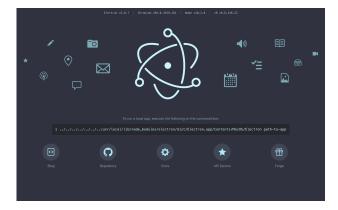


Figure 3: Electron

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

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

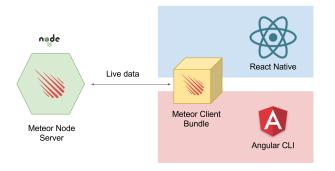


Figure 4: Meteor

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