

# Electron Helloworld Simple Demo



**HTML + JavaScript + CSS + NodeJS (JavaScript for OS) + Graphical User Interface**

# Electron Framework

**HTML**

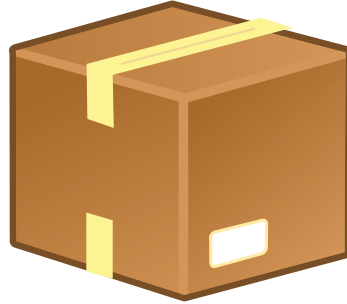
**JavaScript**

**CSS**

**NodeJS**  
(JavaScript for O.S.)

**Full OS Power**

**GUI**  
Graphical User Interface



electron-v8.0.3-linux-armv7l.zip

```
# Download the electron binary package from Electron website...  
  
# Following commands can also be done by mouse, if you want...  
  
# Create a folder to extract the package  
mkdir    electron-folder  
  
# Move (mv) or copy (cp) to inside the electron-folder  
mv    electron-v8.0.3-linux-armv7l.zip    electron-folder/  
  
# Enter the folder...  
cd    electron-folder  
  
# Extract the package...  
unzip    electron-v8.0.3-linux-armv7l.zip
```

electron-folder

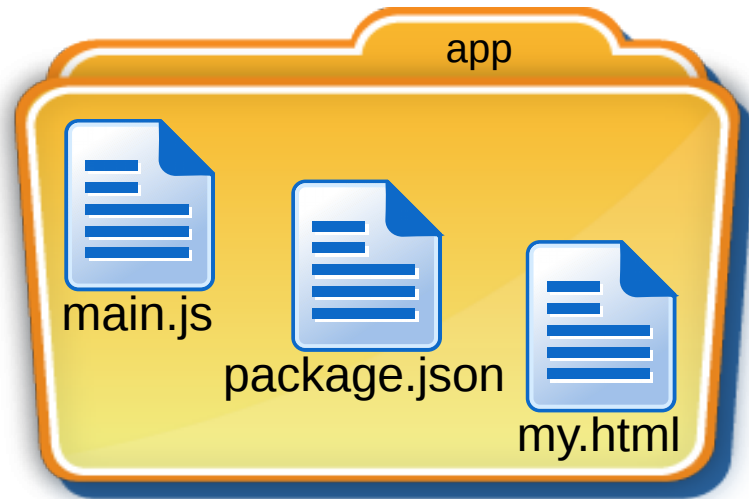
Extract the package here, inside the folder...



electron-v8.0.3-linux-armv7l.zip

**Download the helloworld scripts (in ZIP pack) from the helloworld page (on Github), and extract it somewhere...**

[ <https://github.com/t2age/electron-helloworld> ]



electron-folder

resources

app



main.js



package.json



my.html

Put helloworld app scripts  
Inside the folder "app"

```
const {app, BrowserWindow} = require('electron')
const path = require('path')
const url = require('url')
let win

function createWindow () {
  win = new BrowserWindow({width: 500, height: 300})
  win.loadURL(url.format({
    pathname: path.join(__dirname, 'my.html'),
    protocol: 'file:',
    slashes: true
  }))
  win.on('closed', () => {
    win = null
  })
}

app.on('ready', createWindow)

app.on('window-all-closed', () => {
  if (process.platform !== 'darwin') {
    app.quit()
  })
})

app.on('activate', () => {
  if (win === null) {
    createWindow()
  })
})
```

**main.js**

```
{  
  "name": "HELLOWORLD",  
  "version": "0.0.1",  
  "main": "main.js"  
}
```


**package.json**

```
<html>  
  
<body>  
  <H1>Hello People!</H1>  
</body>  
  
</html>
```

**my.html**



File Edit View Sort Go Tools



/home/pi/Desktop/electron

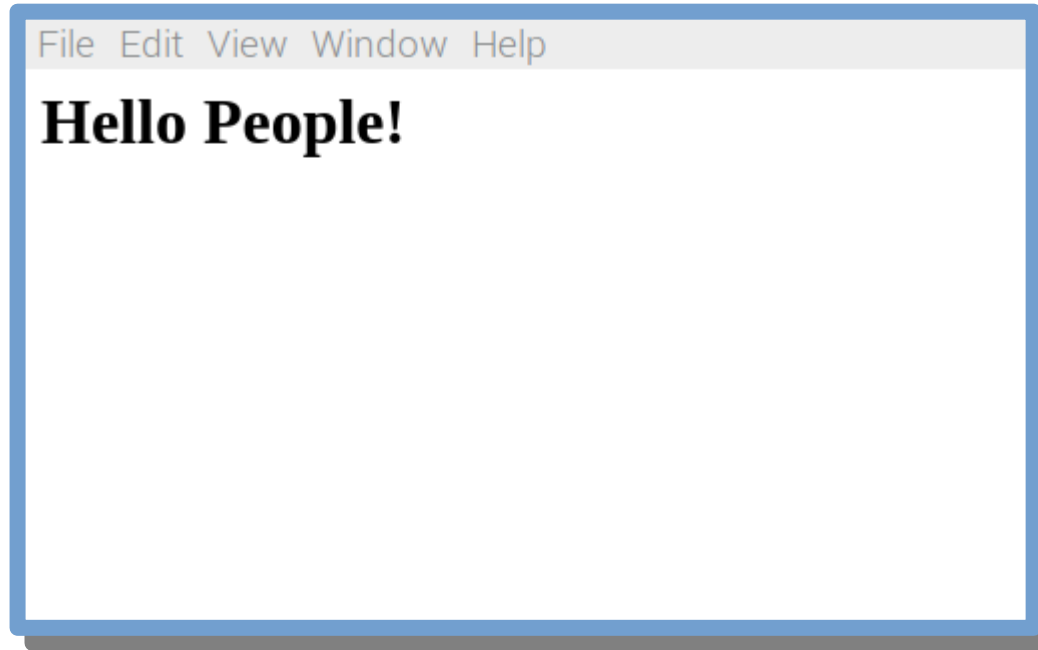
Name	Size	Modified
locales		03/17/2020 17:05
resources		03/17/2020 17:05
swiftshader		03/17/2020 17:05
chrome_100_percent.pak	175.8 KiB	03/02/2020 20:14
chrome_200_percent.pak	313.6 KiB	03/02/2020 20:14
chrome-sandbox	1.3 MiB	03/02/2020 20:34
crashpad_handler	1.2 MiB	03/02/2020 20:13
electron	73.9 MiB	03/02/2020 20:34
icudtl.dat	10.0 MiB	03/02/2020 20:04
libEGL.so	140.9 KiB	03/02/2020 20:13
libffmpeg.so	1.9 MiB	03/02/2020 20:13

20 items

Free space: 4.7 GiB (Total: 14.1 GiB)

To execute:  
Run this "electron" binary file

```
# From inside the folder electron-folder...  
./electron
```



This tutorial was created with Raspberry PI Raspbian 10 Buster OS  
Electron electron-v8.0.3-linux-armv7l.zip was used.

The general steps here should work on other platforms as well...

\*On a PC x86, the first time you try to execute the “electron” binary, it will show a message asking you to change the ownership and permission of the executable file! The message also provides the instructions that you need to accomplish the task...

2020-MAR-19