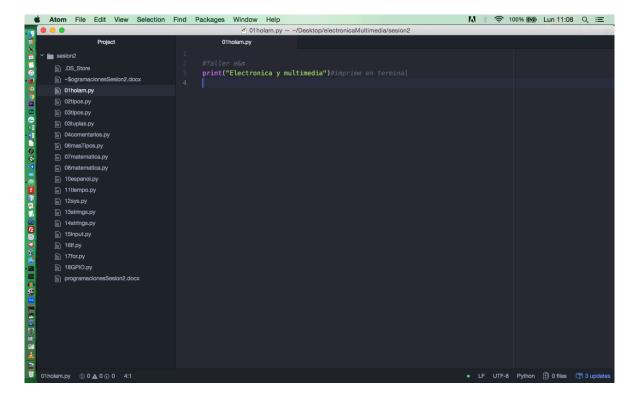
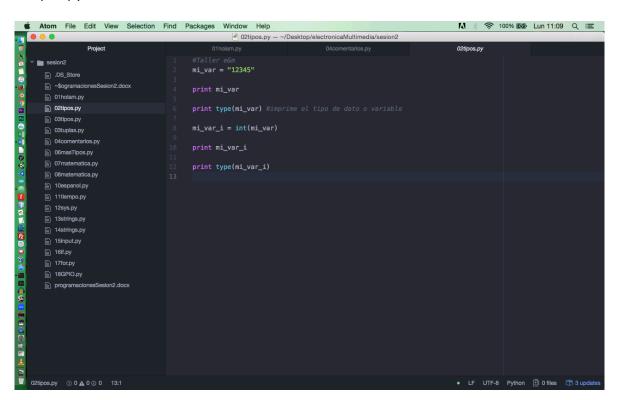
# SESIÓN 2

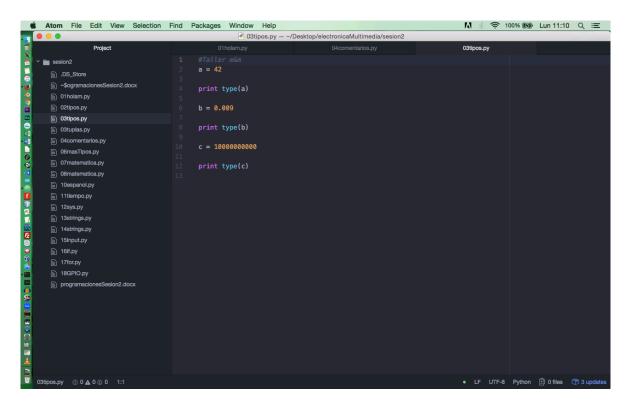
## 01holam.py



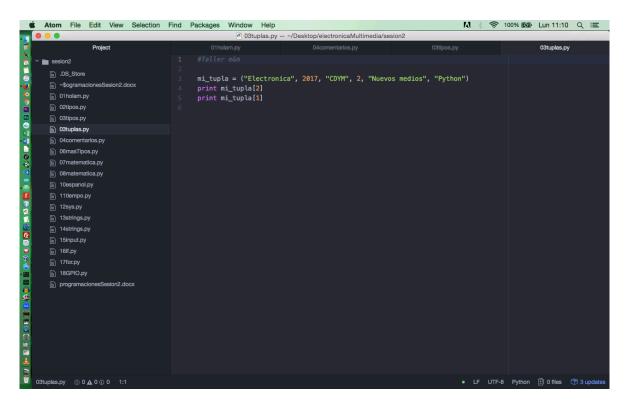
## 02tipos.py



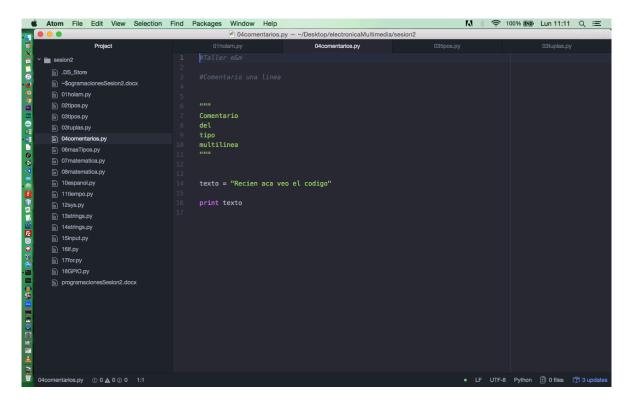
## 03tipos.py



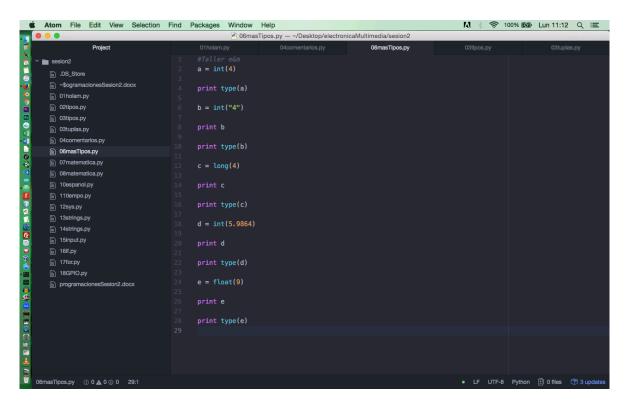
## 03tuplas.py



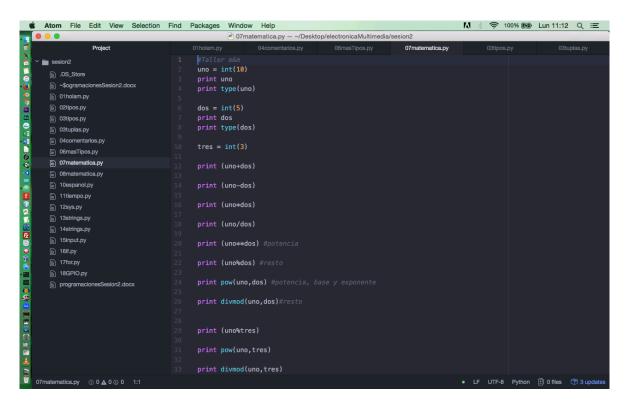
## 04comentarios.py



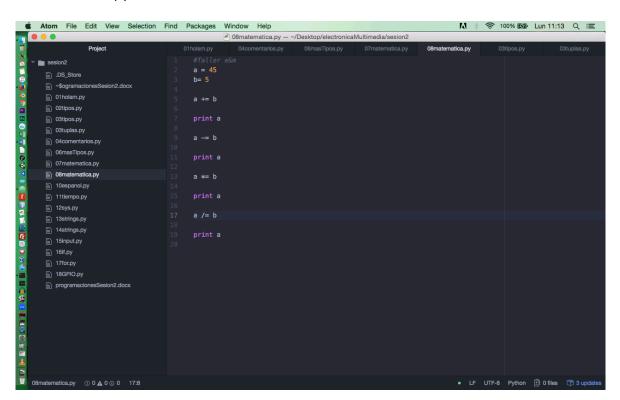
#### 06masTipos.py



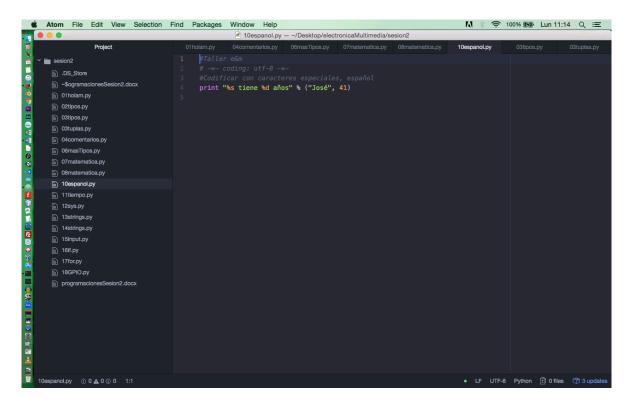
## 07matematica.py



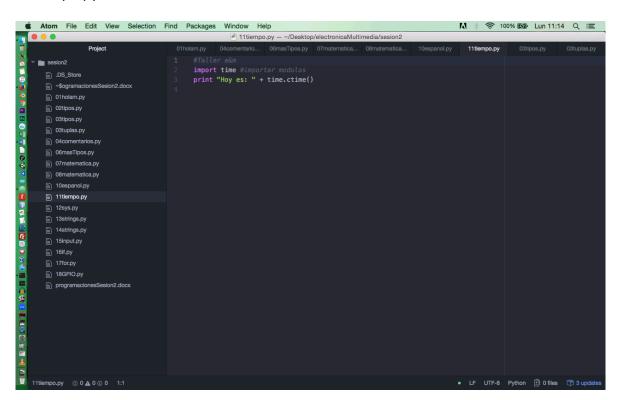
#### 08matematica.py



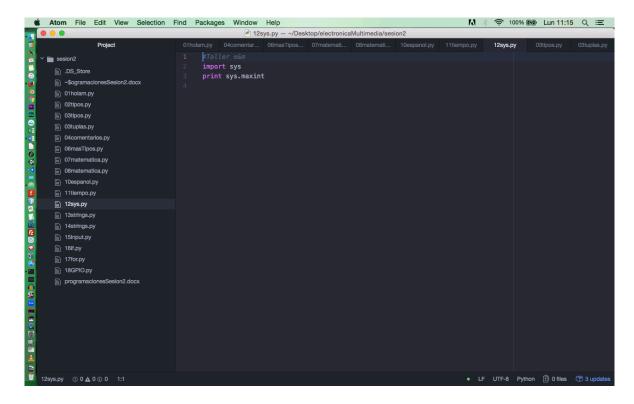
## 10espanol.py



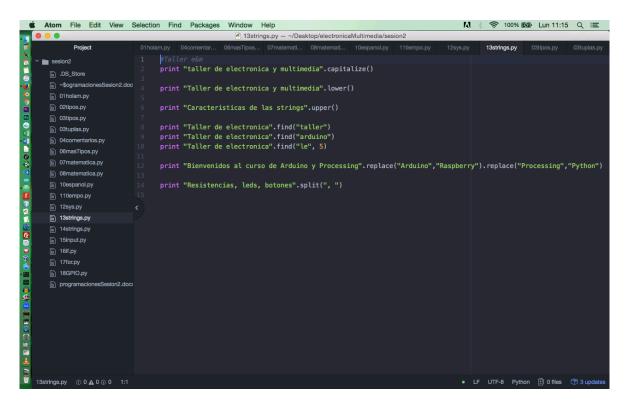
#### 11tiempo.py



## 12sys.py

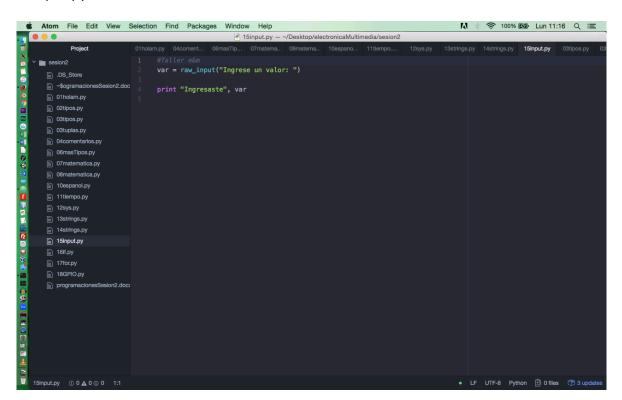


## 13strings.py



## 14strings.py

#### 15input.py



## 16if.py

```
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                                                                                                                    M 🖟 🛜 100% 🚱 Lun 11:17 Q 😑
                                                          Project - ~/Desktop/electronicaMultimedia/sesion2
                                                                                                                                                 16if.pv
    sesion2
                                    var = raw_input("Ingrese un valor: ")
                                    nume = int(var)
       -$ogramacionesSes
                                    print "Acertaste"
else:
                                    print "Ingresado menor o igual a 10: ", nume <= 10</pre>
                                    print "Ingresado mayor o igual a 10: ", nume >= 10
       08matematica.py
                                    print "Ingresado diferente a 10: ", nume != 10
                                    print "Ingresado igual a 10: ", nume == 10
F2 (3) (4) (5) (4)

    16if.py

      17for.py
```

## 17for.py

```
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                                                                                                      M → 🛜 100% 🚱 Lun 11:17 Q 😑
                                                  ∨ m sesion2
     DS_Store
     -$ogramacionesSesion2.doc
                               mi_tupla = ("Electronica", 2017, "CDYM", 2, "Nuevos medios", "Python")
      02tipos.py
                               for x in range(0, 6):
    print mi_tupla[x]# %d formatea como numero, %s como string

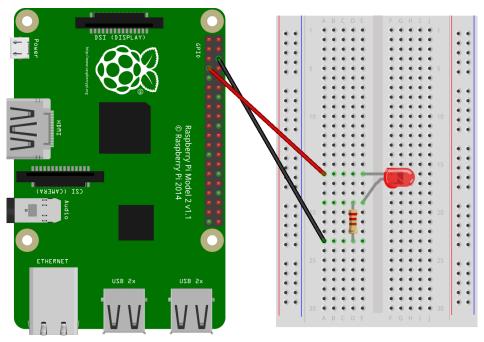
    □ 03tipos.py

      66masTipos.py
                                  print x
14strings.py
      15input.py
      17for.py
```

## **GPIO**

|                | Raspberry F                      | Pi 3 G   | PIO Header                                |      |
|----------------|----------------------------------|----------|---|------|
| Pin#           | NAME                             |          | NAME                                      | Pin# |
| 01             | 3.3v DC Power                    |          | DC Power <b>5v</b>                        | 02   |
| 03             | GPIO02 (SDA1 , I <sup>2</sup> C) | 00       | DC Power <b>5v</b>                        | 04   |
| 05             | GPIO03 (SCL1 , I <sup>2</sup> C) | 00       | Ground                                    | 06   |
| 07             | GPIO04 (GPIO_GCLK)               | 00       | (TXD0) GPIO14                             | 08   |
| 09             | Ground                           | 00       | (RXD0) GPIO15                             | 10   |
| 11             | GPIO17 (GPIO_GEN0)               | 00       | (GPIO_GEN1) GPIO18                        | 12   |
| 13             | GPIO27 (GPIO_GEN2)               | 00       | Ground                                    | 14   |
| 15             | GPIO22 (GPIO_GEN3)               | 00       | (GPIO_GEN4) GPIO23                        | 16   |
| 17             | 3.3v DC Power                    | 00       | (GPIO_GEN5) GPIO24                        | 18   |
| 19             | GPIO10 (SPI_MOSI)                | 0        | Ground                                    | 20   |
| 21             | GPIO09 (SPI_MISO)                |          | (GPIO_GEN6) GPIO25                        | 22   |
| 23             | GPIO11 (SPI_CLK)                 |          | (SPI_CE0_N) GPIO08                        | 24   |
| 25             | Ground                           | 00       | (SPI_CE1_N) GPIO07                        | 26   |
| 27             | ID_SD (I2C ID EEPROM)            | 00       | (I <sup>2</sup> C ID EEPROM) <b>ID_SC</b> | 28   |
| 29             | GPIO05                           | 00       | Ground                                    | 30   |
| 31             | GPIO06                           | 00       | GPIO12                                    | 32   |
| 33             | GPIO13                           | 00       | Ground                                    | 34   |
| 35             | GPIO19                           | 00       | GPIO16                                    | 36   |
| 37             | GPIO26                           | 00       | GPIO20                                    | 38   |
| 39             | Ground                           | 00       | GPIO21                                    | 40   |
| . 2<br>02/2016 | www.elemer                       | nt14.com | /RaspberryPi                              |      |

#### **CIRCUITO LED**



fritzing

## 18GPIO.py

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Project

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```