In this project I build a program using LED and pushbutton. When we press a pushbutton, LED will lighting. It’s simple.

The materials used are the following ones:

* Arduino UNO R3
* USB 2.0 cable type A/B
* Protoboard
* Matlab
* LED
* Resistor
* Push Button
* Wires Dupont

When the switch is pressed, the LED must light up. At the same time, my intention was to create a function called led\_pushbutton() that displays a 1 in the command window when the switch is being pressed, and a 0 when the switch is not pressed. When you want to exit the program press CTRL+C.