PyroElectro.com - PyroEDU

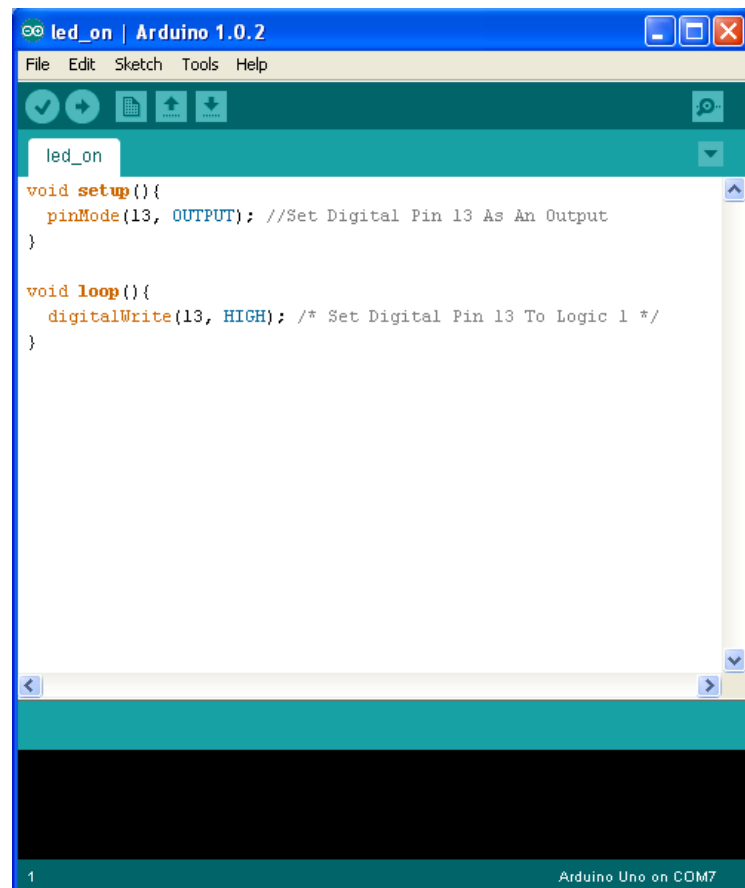*Introduction To Microcontrollers Electronics – Lesson 2: Hardware Hello World*

FORMULAS

The following formulas and information are meant to go with the online lesson found here:
http://www.pyroelectro.com/edu/microcontrollers/hello_world/

EXAMPLE ARDUINO PROGRAM

This program is meant to be as simple as possible so that it can serve everyone as an introduction to Arduino code.

Two functions are used, the setup() function where we will initialize variables that we need and then the loop() function where we will test input, give output and do any thing else required by our Microcontroller.

```
led_on | Arduino 1.0.2
File  Edit  Sketch  Tools  Help

led_on

void setup(){
  pinMode(13, OUTPUT); //Set Digital Pin 13 As An Output
}

void loop(){
  digitalWrite(13, HIGH); /* Set Digital Pin 13 To Logic 1 */
}

1                                          Arduino Uno on COM7
```

ADDITIONAL INFORMATION

If you have any questions about the formulas or information found in this document, please feel free to head on over to the forums and ask us some questions!
http://www.pyroelectro.com/forums/viewforum.php?f=25