Module 2-4

SETTING UP THE ARDUINO IDE:
Writing Our First Programs
The Power Of Blink

- Sanity check for our system
  - Communication with USB is okay
  - Downloading code to board is okay
  - System is powered and functional
A Simple Program - Blink

• “If you can blink an LED, you can control anything”

• Functions
  • `pinMode(pin, mode)`
    • Pin = Pin Number
    • Mode = INPUT, OUTPUT
  
  • `digitalWrite(pin, value)`
    • Pin = Pin Number
    • Value = LOW, HIGH
  
  • `delay(delay_in_milliseconds)`
    • Delay_in_milliseconds = number of milliseconds we will wait
void setup()
{
    pinMode(13, OUTPUT);
    digitalWrite(13, LOW);
}

void loop()
{
    digitalWrite(13, HIGH);
    delay(1000);
    delay(1000);
    digitalWrite(13, LOW);
    delay(1000);
}

Module 3
Programming The WildLogger