Goals of this document:
1. Setting up the development environment for your Arduino board.
2. Verifying the setup works.

We will be using:
“Sparkfun Inventor's Kit for Arduino - V3.3 with New Simon says Circuit Experiment”. It is a kit of hardware AND a book. The lessons will follow most of the book, and they will use the hardware.

1. On Amazon: https://www.amazon.com/Sparkfun-Inventors-Kit-Arduino-Experiment/dp/B00O8U2I12
2. On Sparkfun: www.sparkfun.com/sik

Sparkfun has good resources for their kit.
Kit tutorial: https://learn.sparkfun.com/tutorials/sik-experiment-guide-for-arduino---v33
You can read through the tutorial (recommended!).

Below are a few essentials parts:

1. Install the Arduino IDE: https://www.arduino.cc/en/Main/Software
2. Install FTDI -This can be a pain (depending on your computer), but it is a one-time pain: www.sparkfun.com/ftdi
   In a nutshell: What is FTDI? It's an old fashioned UART communication over USB protocols. Hence the need for VCP (Virtual COM Port drivers).

3. Download the manual(you have it as hard copy in the kit, but this is in PDF): www.sparkfun.com/sikguide
4. Download SIK code: Will save you some writing: https://www.sparkfun.com/sikcode .
   Suggestion: Create a directory "Arduino" where you will keep your Arduino projects. Put the examples code there, under "sikcode" directory (or similar name).

Setup and testing

1. Open the IDE.
2. Connect the board.
3. Select the right port (tools->port)
4. Set the board (Arduino uno)
5. Load the sketch Circuit_01 (NO need to connect the breadboard or additional circuitry). This should be in your "sikcode" directory you had downloaded.
6. Run the program. If all works well, and the LED on board blinks, you made it!!

7. Just to verify this is indeed your code: change only ONE of the delays to 200 (from 1000). See the result is has changed.

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