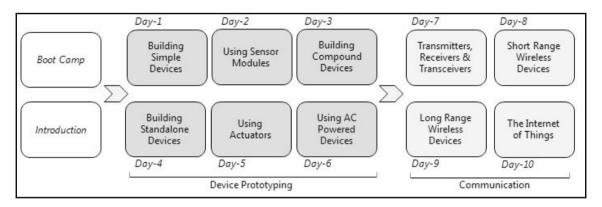
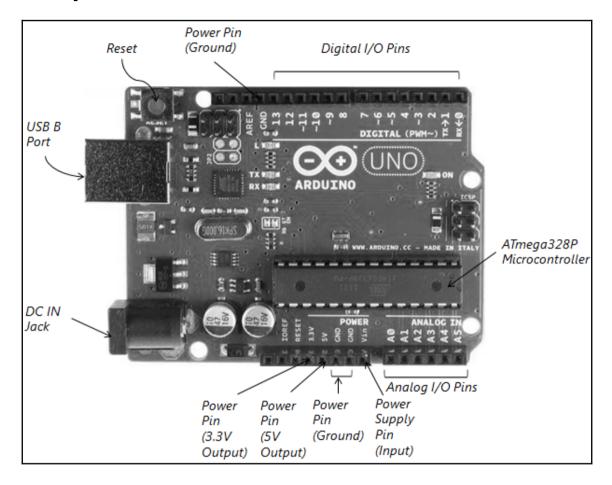
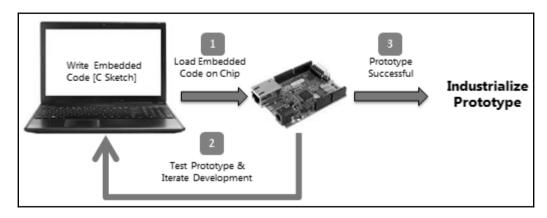
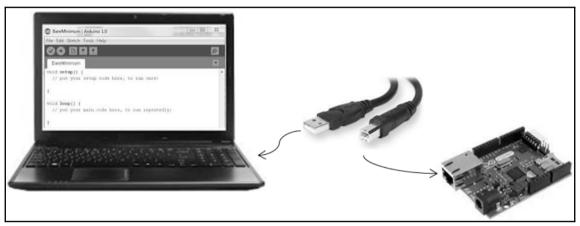
Chapter 1: Boot Camp

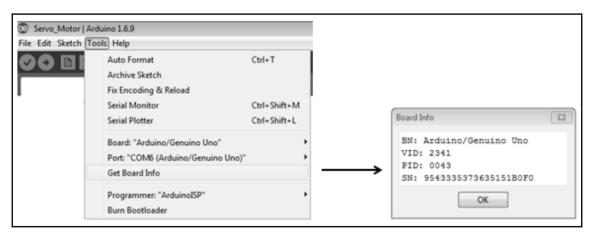


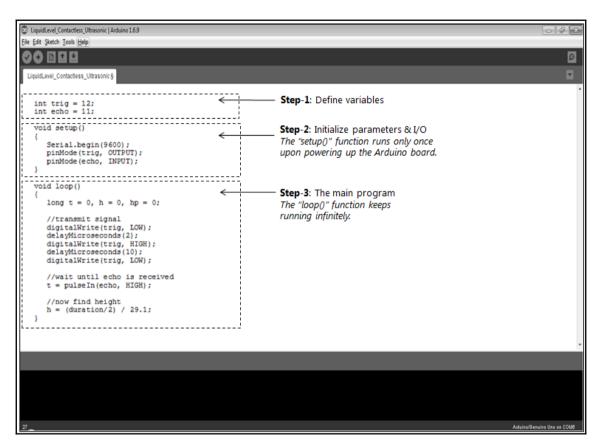
Chapter 2: The Arduino Platform

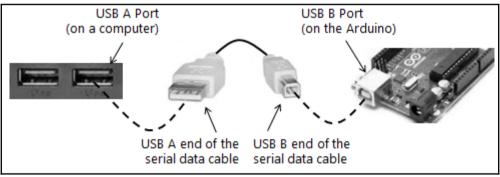


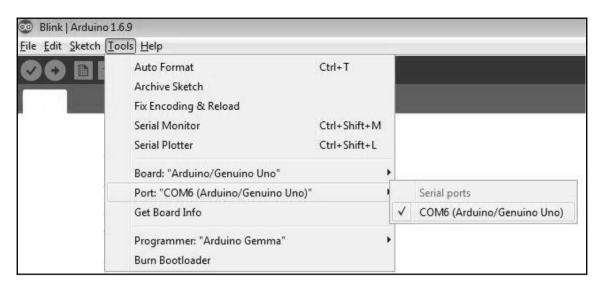


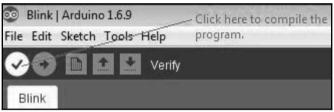


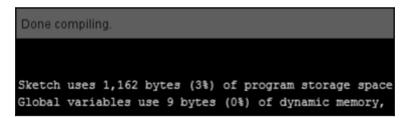








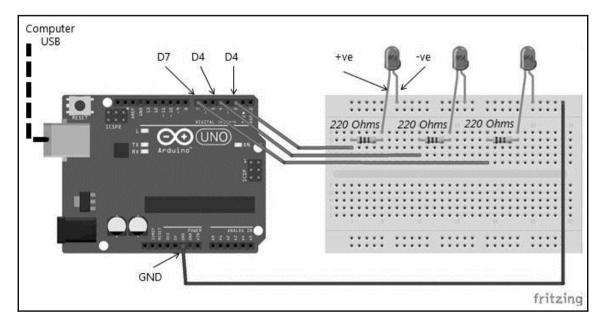


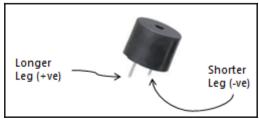


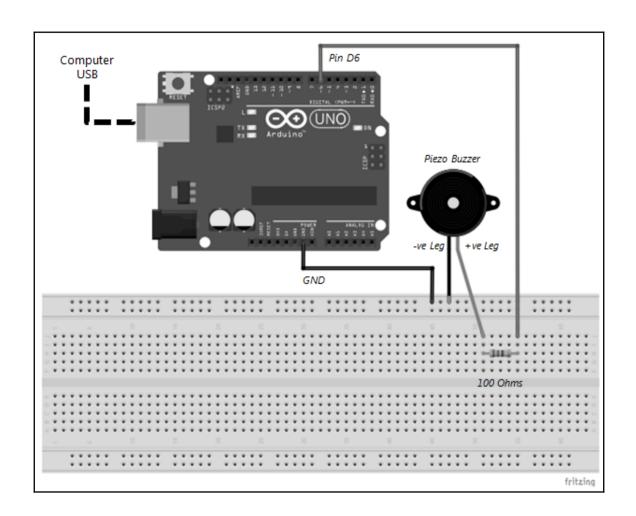


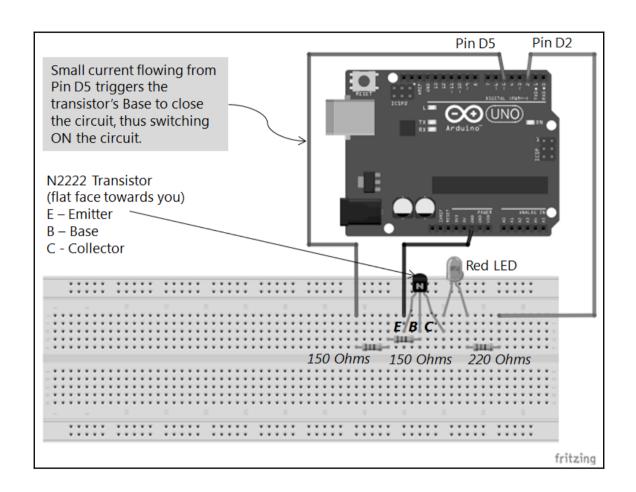
Chapter 3: Day 1 - Building a Simple Prototype

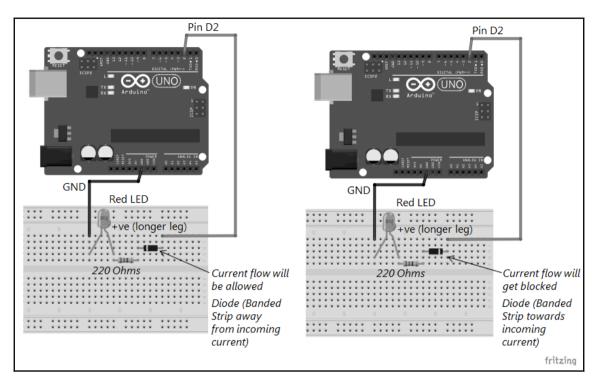


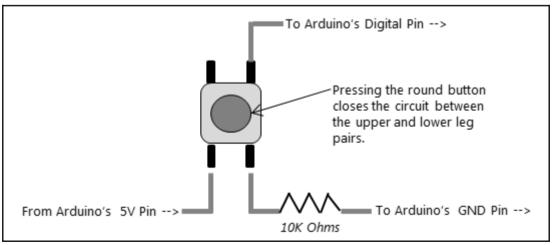


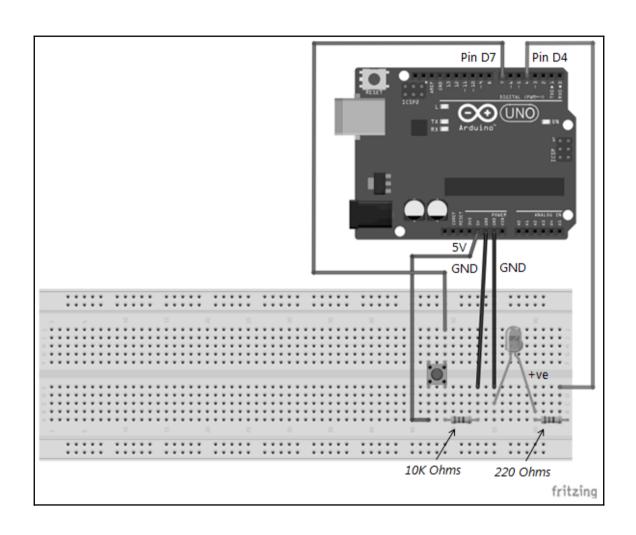




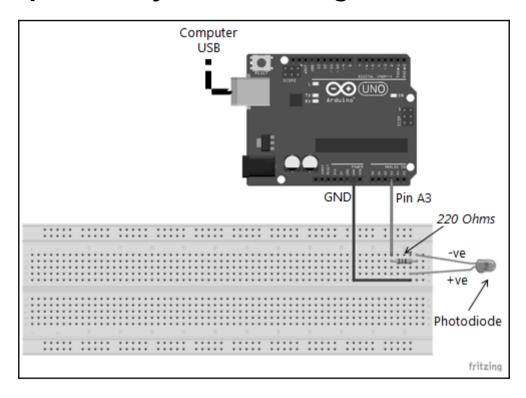


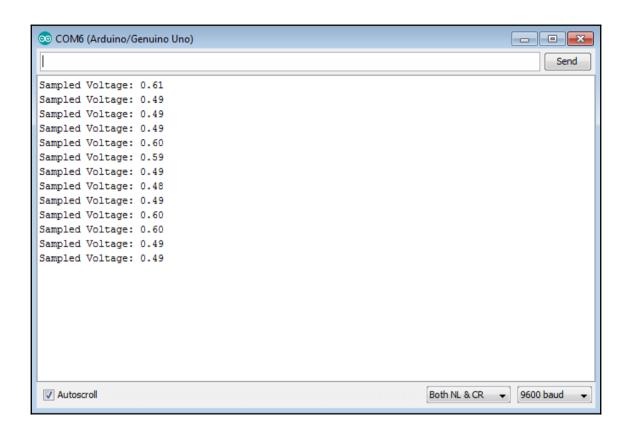


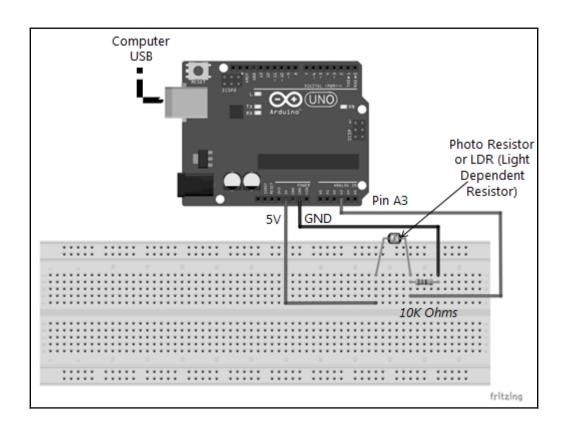


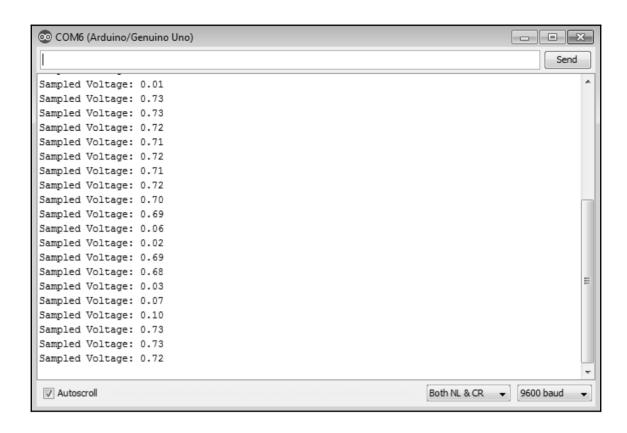


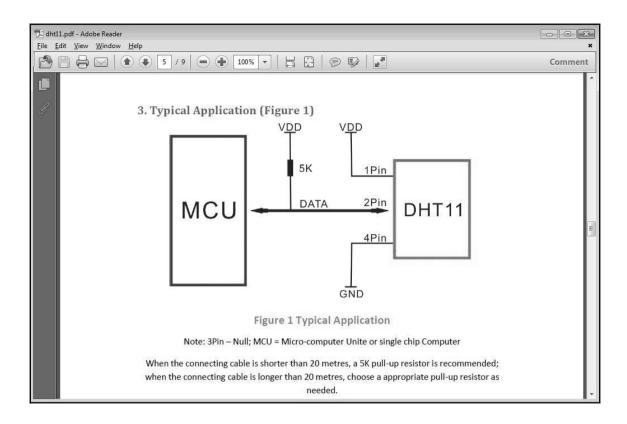
Chapter 4: Day 2 - Interfacing with Sensors

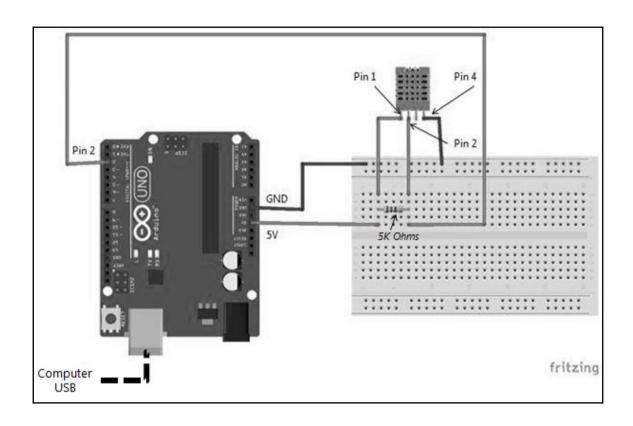


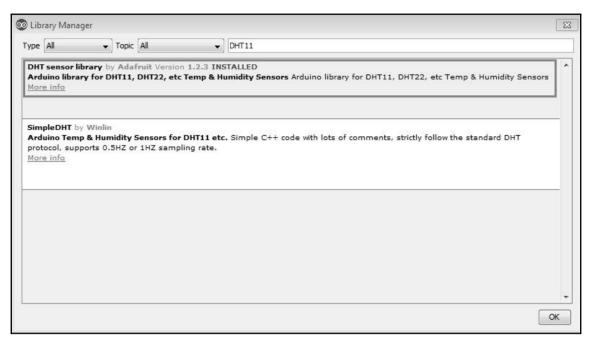


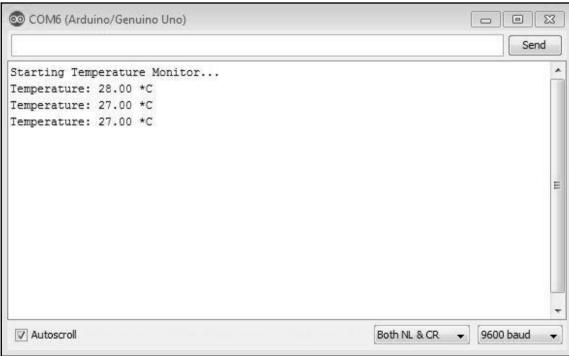


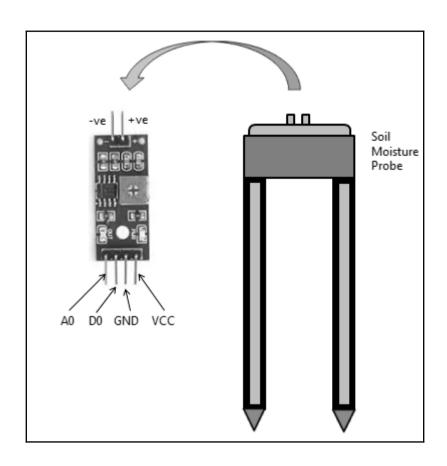


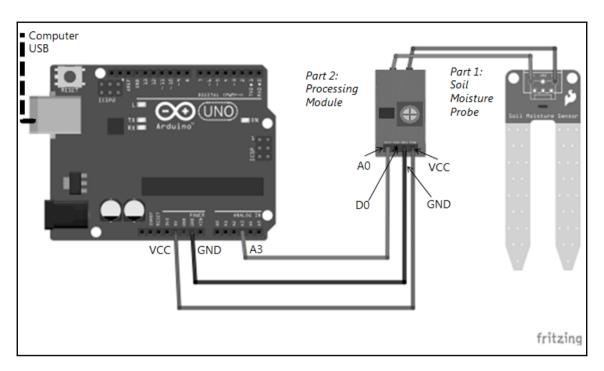


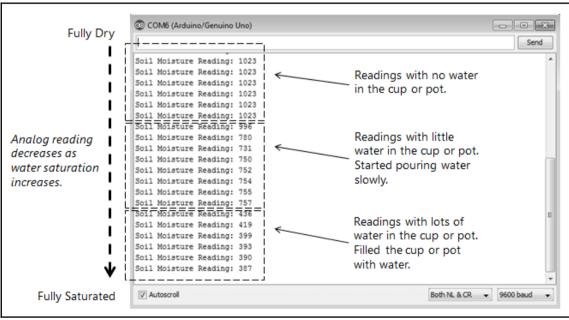


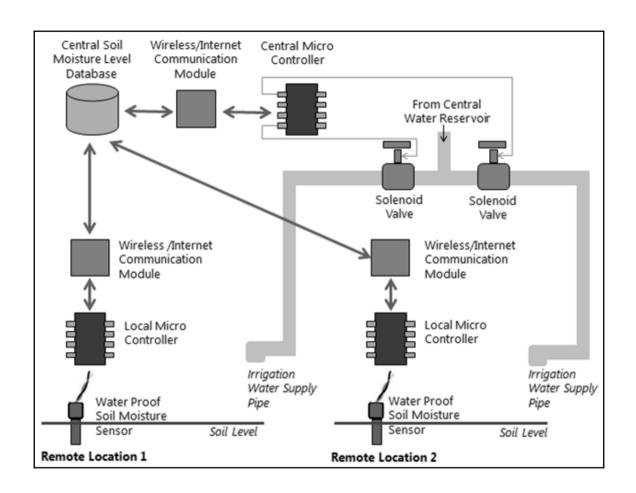




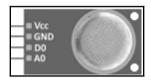


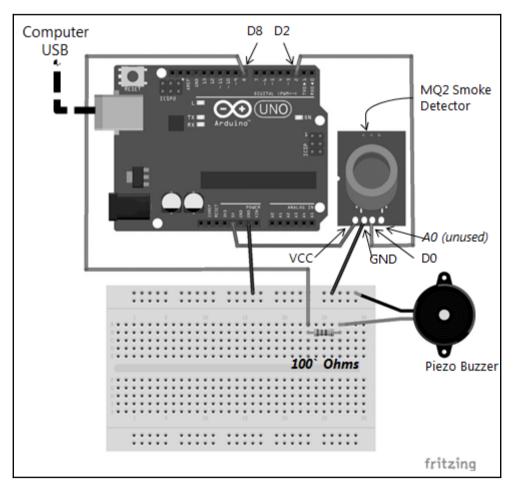


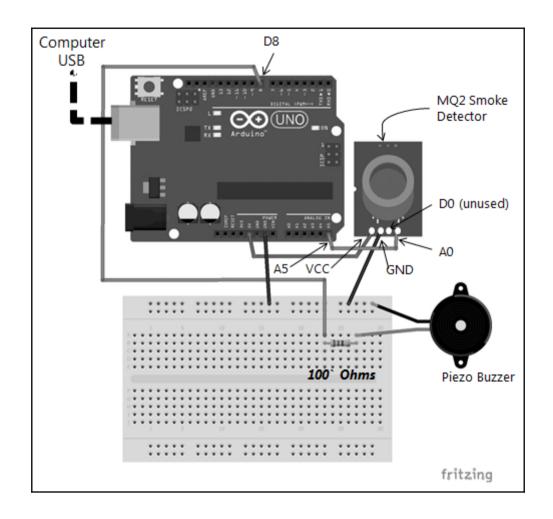


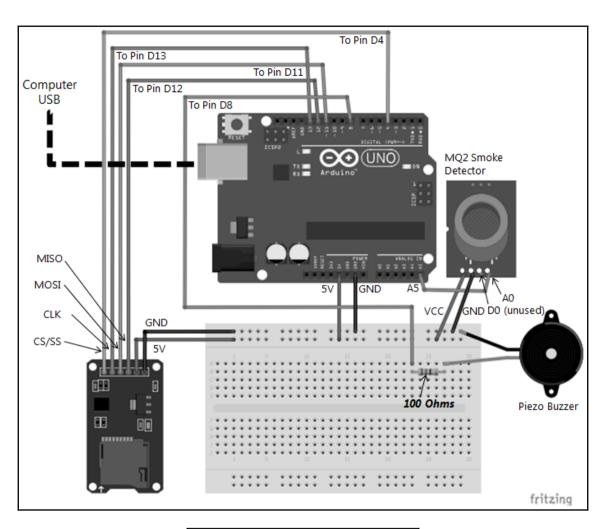


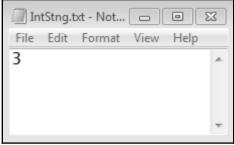
Chapter 5: Day 3 - Building a Compound Device

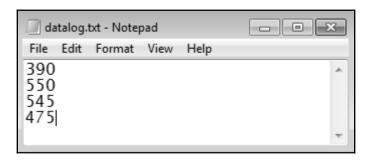




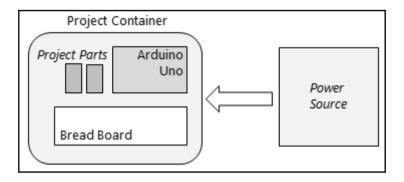


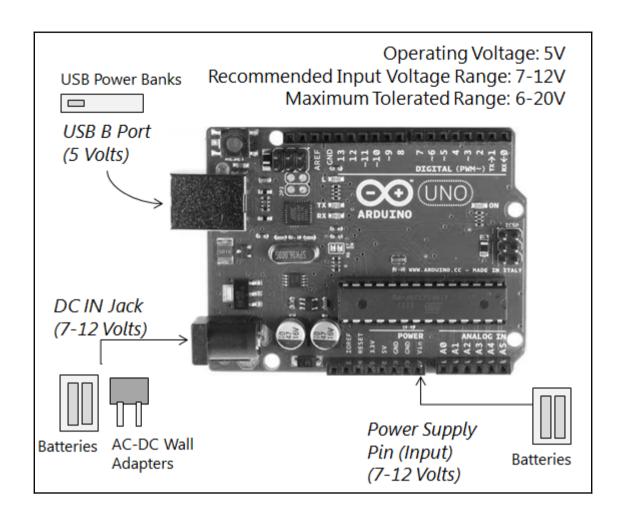


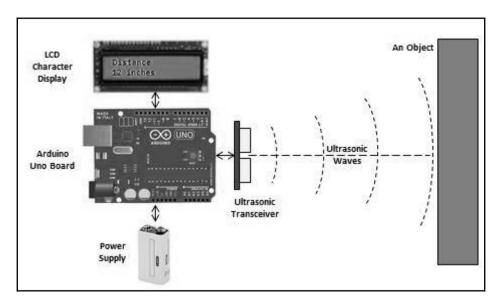


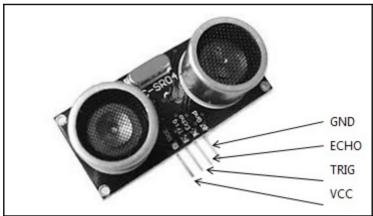


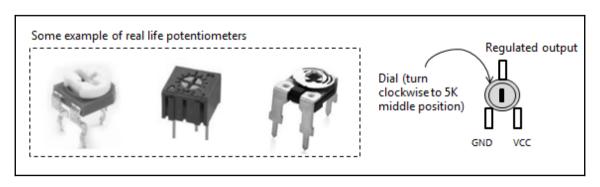
Chapter 6: Day 4 - Building a Standalone Device

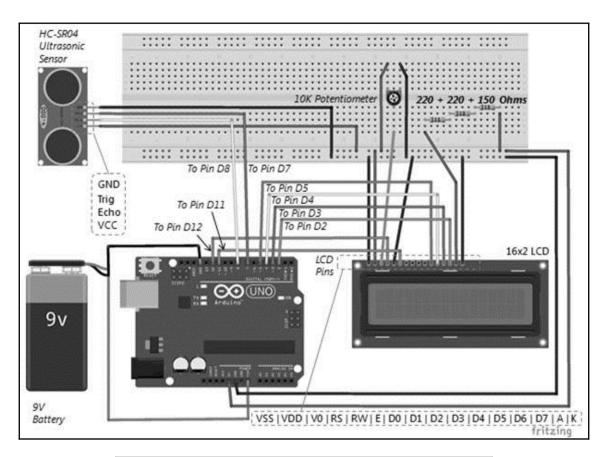


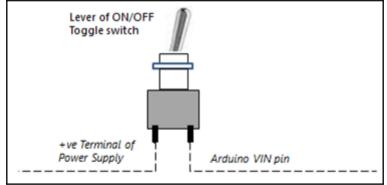


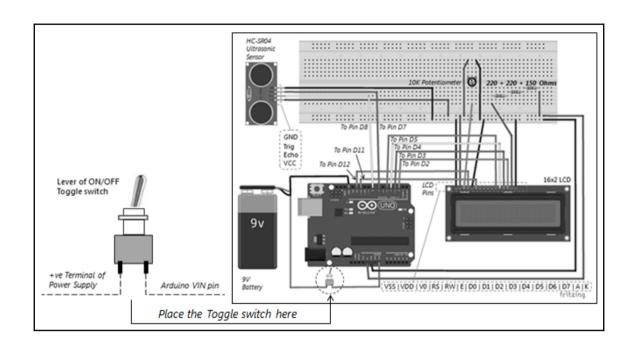






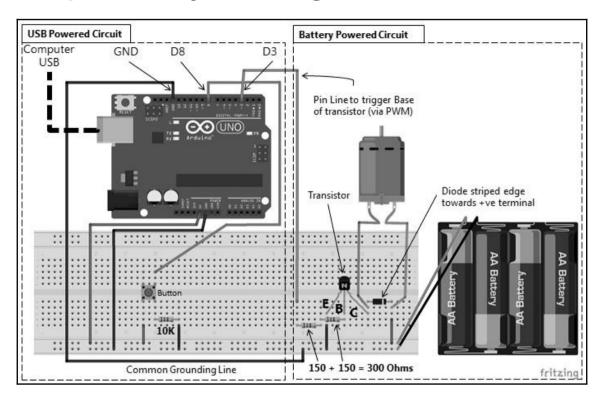


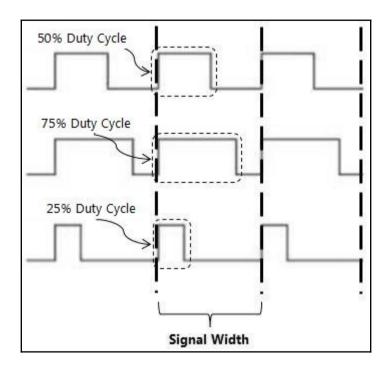


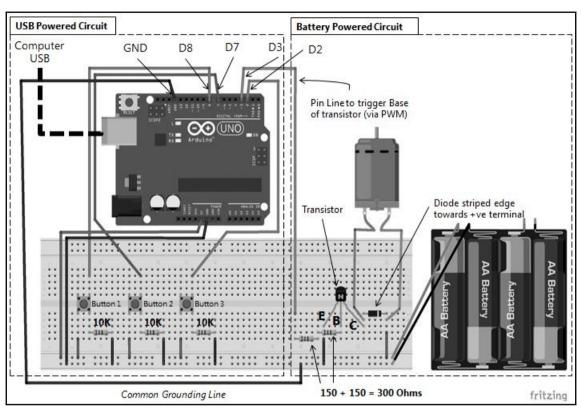


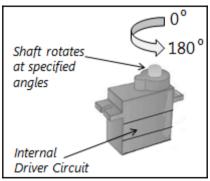
LCD pin	Arduino Uno pin	LCD pin description
VSS	GND (via breadboard)	Ground connection.
VDD/VCC	5V (via breadboard)	5V Power input.
V0/VEE	Potentiometer output	LCD contrast control receives output from potentiometer.
RS	Digital I/O Pin 12	Register select pin.
RW	GND (via breadboard)	Read/Write pin.
E	Digital I/O Pin 11	Enable pin.
D0	Not Used	These pins represent a 8-bit data. These pins are used to exchange data between the LCD and the Arduino board.
D1	Not Used	
D2	Not Used	
D3	Not Used	
D4	Digital I/O Pin 5	
D5	Digital I/O Pin 4	
D6	Digital I/O Pin 3	
D7	Digital I/O Pin 2	
A/LED+	5V (via breadboard and 590 Ohms resistors)	5V Power input
K/LED-	GND (via breadboard)	Ground connection

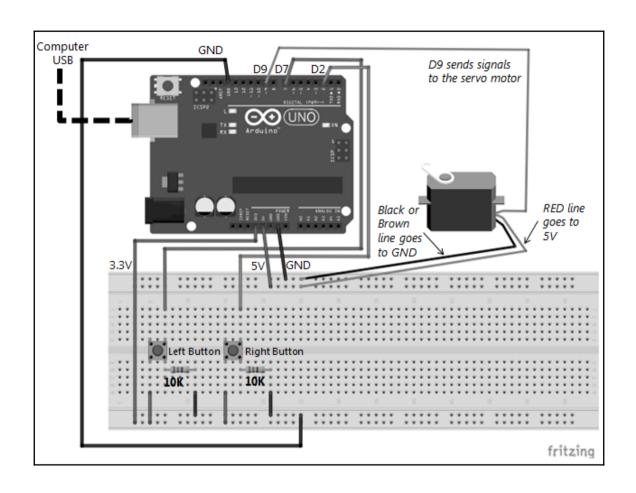
Chapter 7: Day 5 - Using Actuators

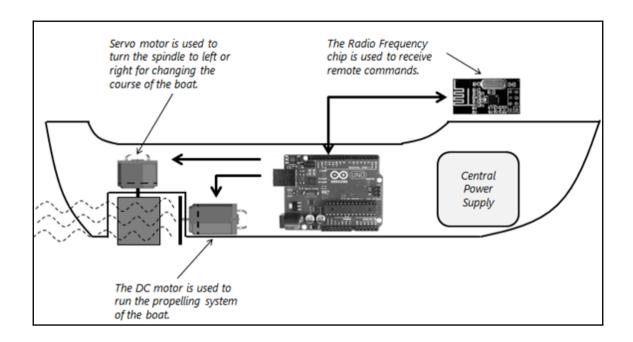




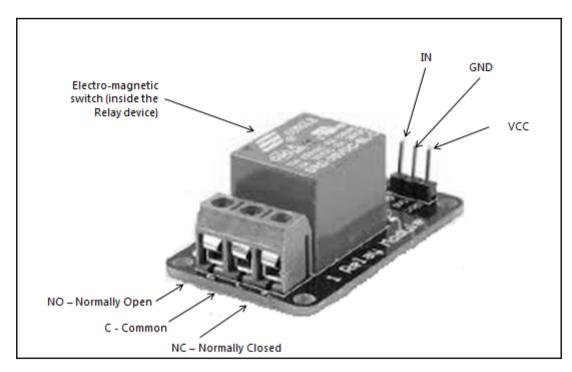


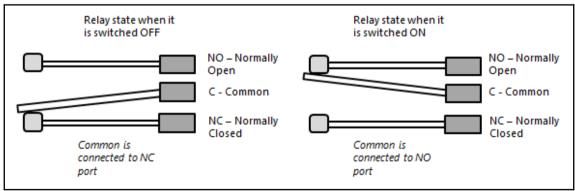


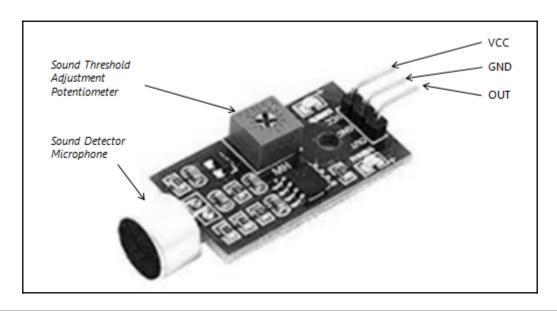


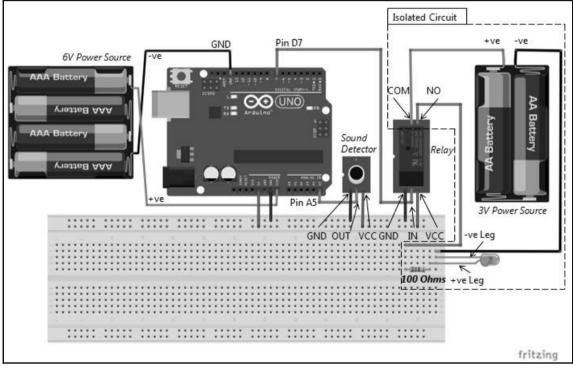


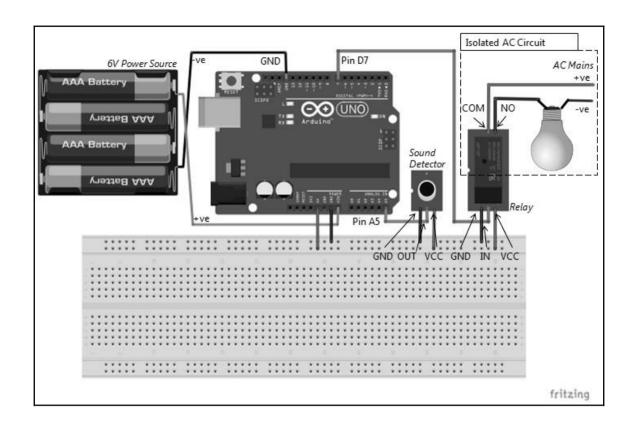
Chapter 8: Day 6 - Using AC Powered Components

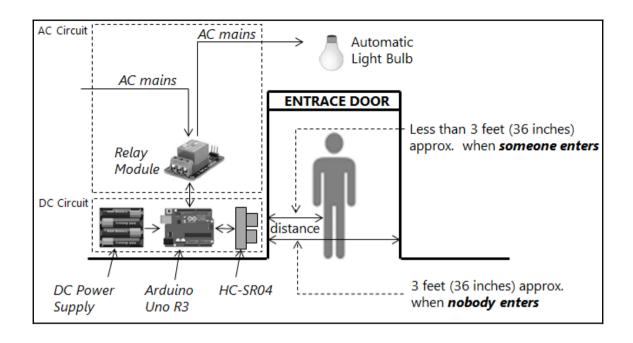




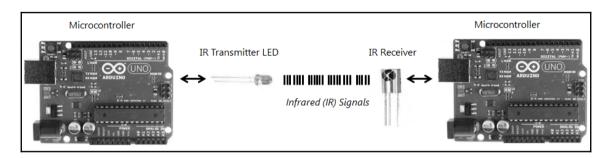


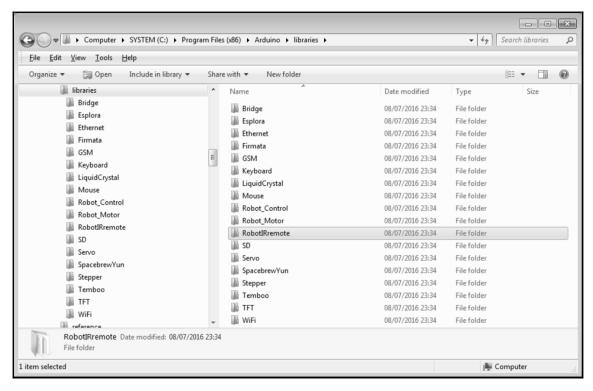


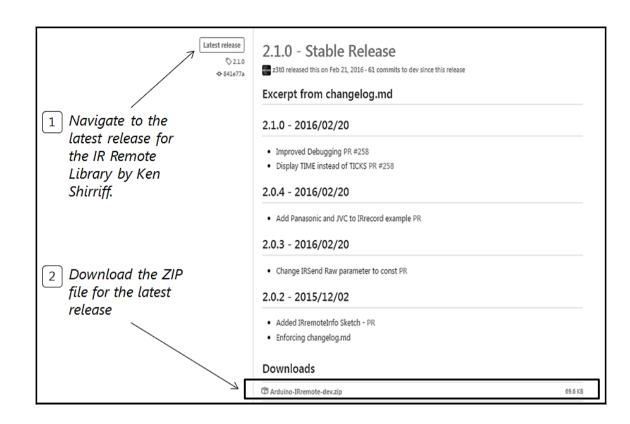


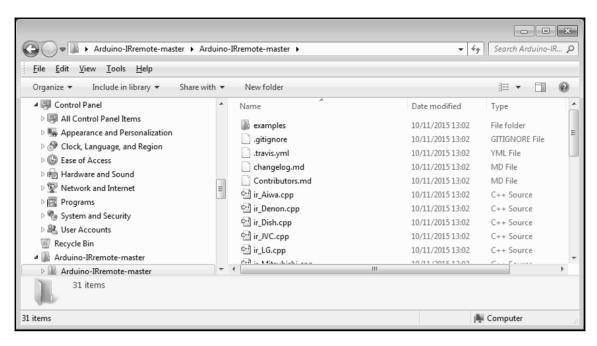


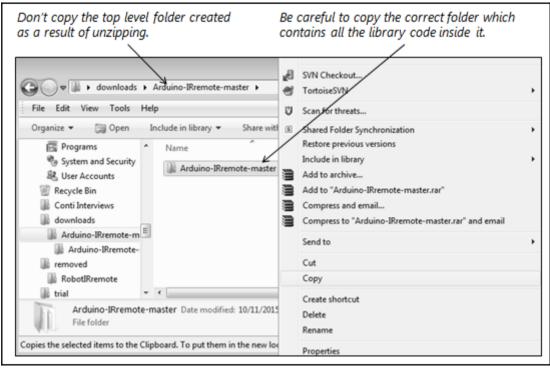
Chapter 9: Day 7 - The World of Transmitters, Receivers, and Transceivers

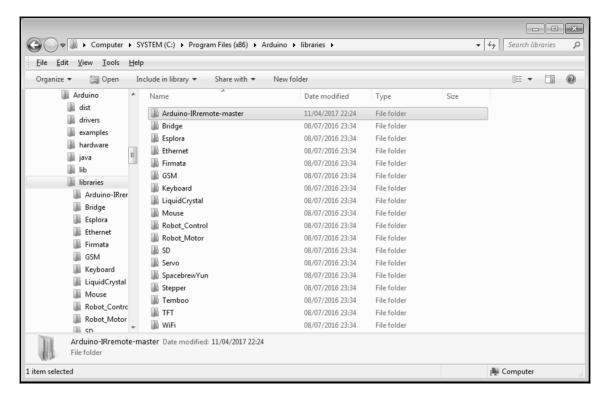


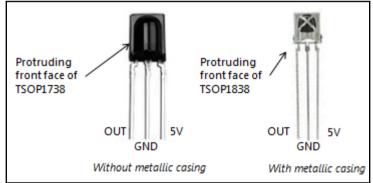


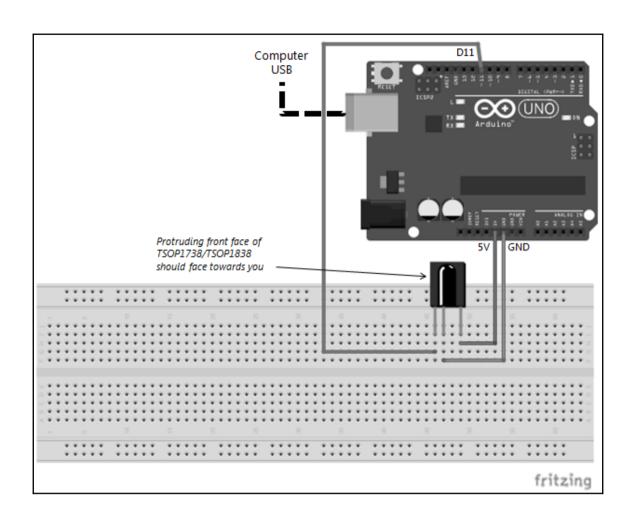


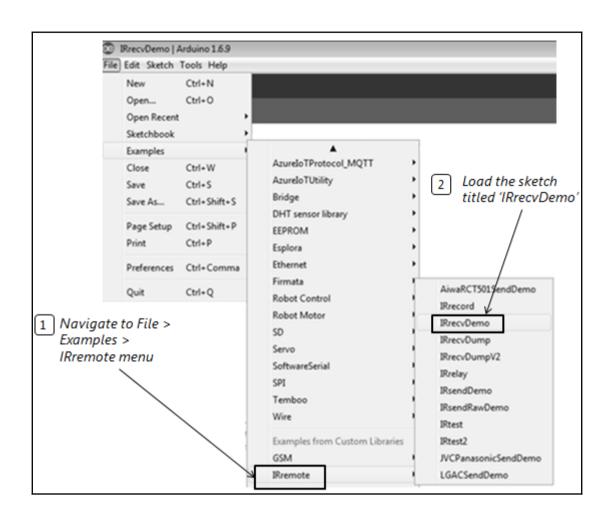


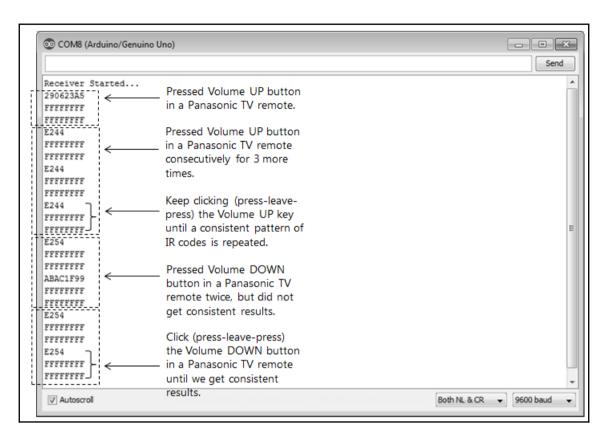


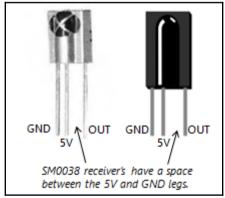


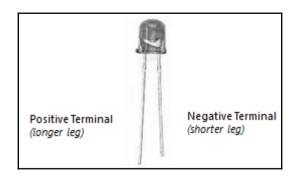


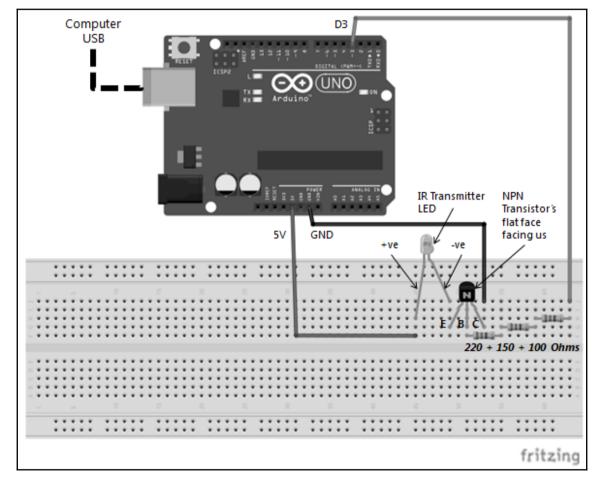




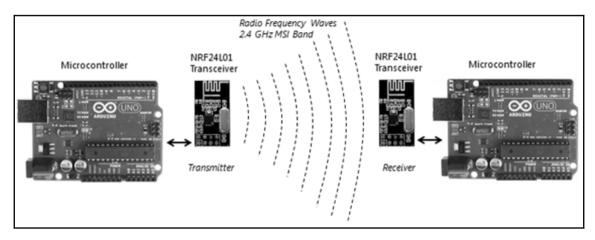


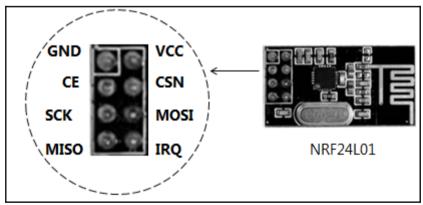


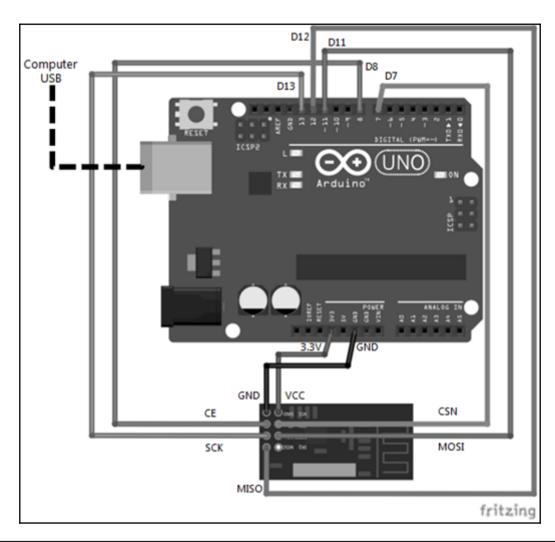




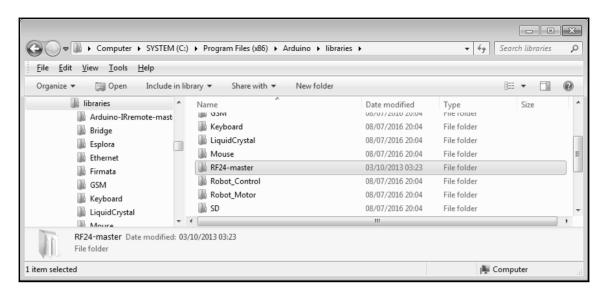
Chapter 10: Day 8 - Short Range Wireless Communications

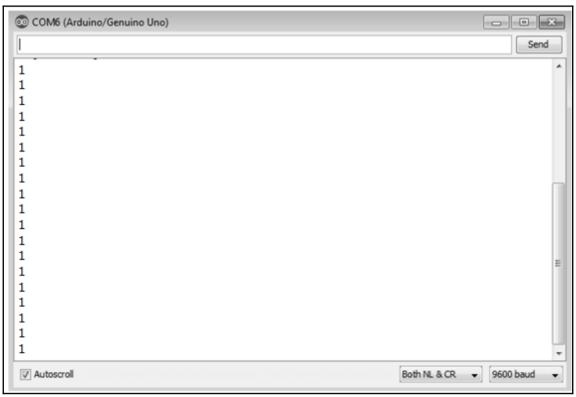


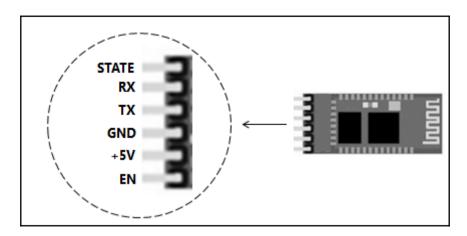


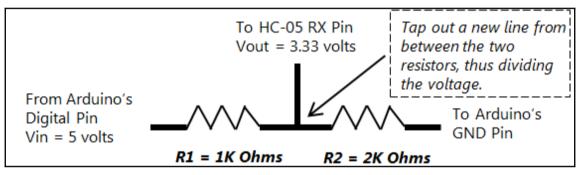


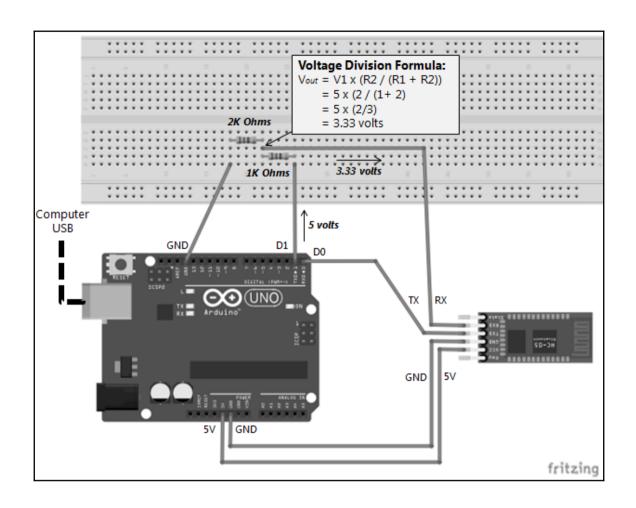






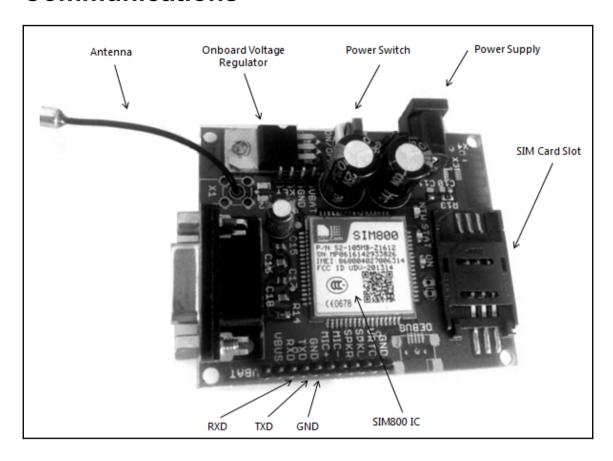


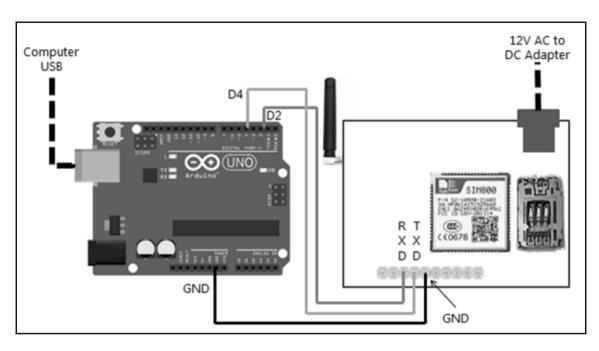


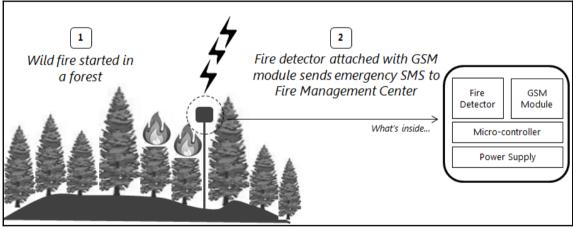




Chapter 11: Day 9 - Long-Range Wireless Communications







Chapter 12: Day 10 - The Internet of Things

