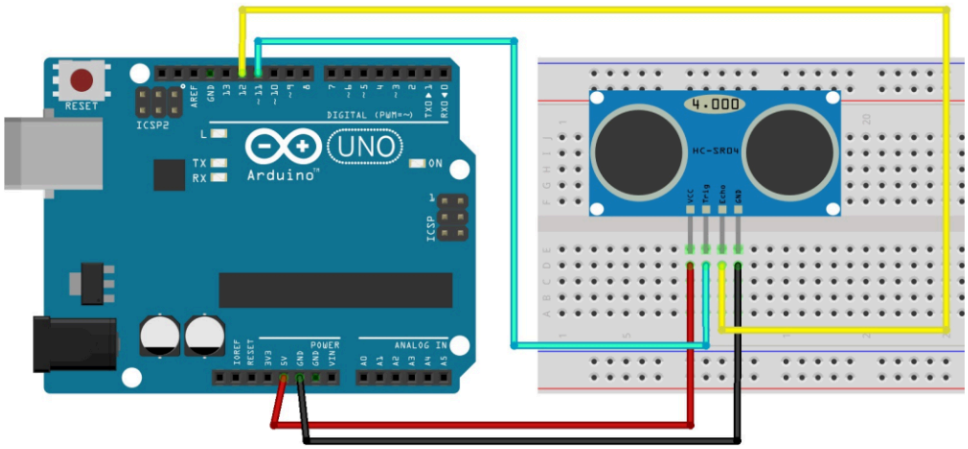
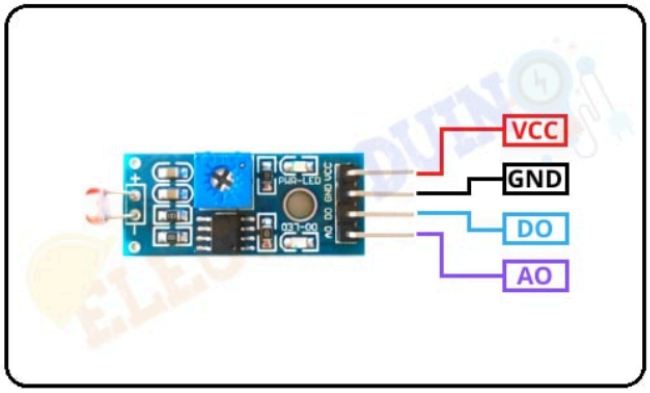
Ultrasonic sensor



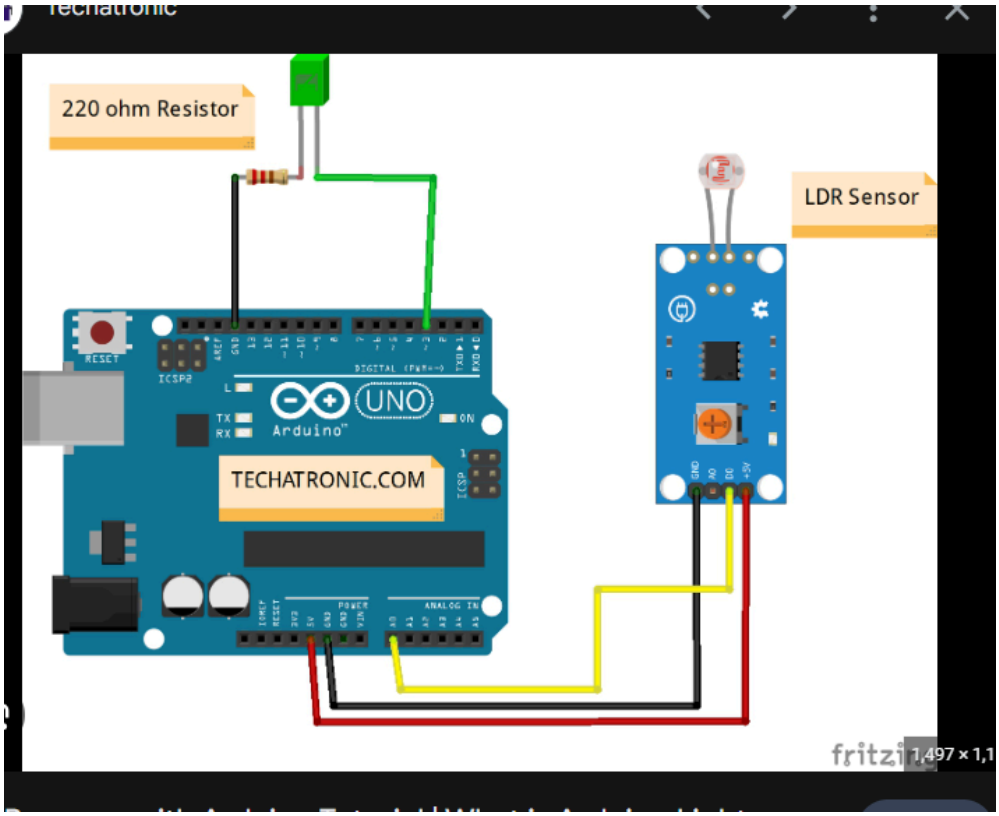
The following table shows the connections you need to make:

Ultrasonic Sensor HC-SR04	Arduino
VCC	5V
Trig	Pin 11
Echo	Pin 12
GND	GND

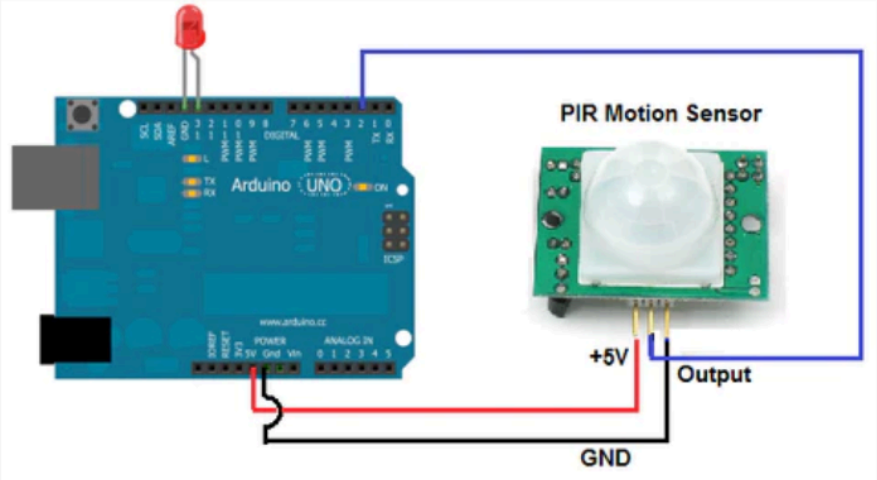
LDR



Pin No	Pin Name	Description
1	VCC	+5 v power supply Input Pin
2	GND	Ground (-) power supply Input Pin
3	DO	Digital Output Pin
4	AO	Analog Output Pin

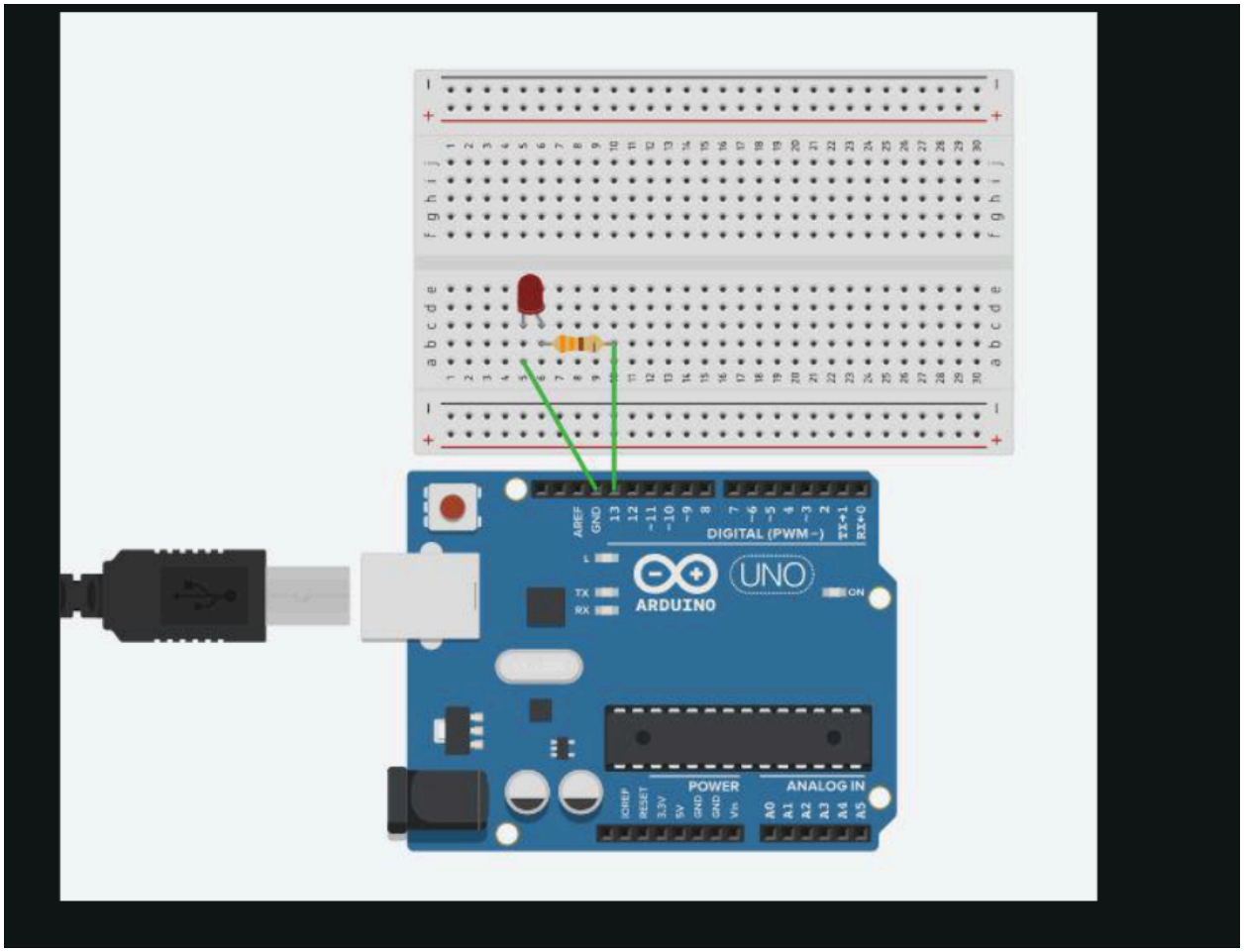


Pir sensor

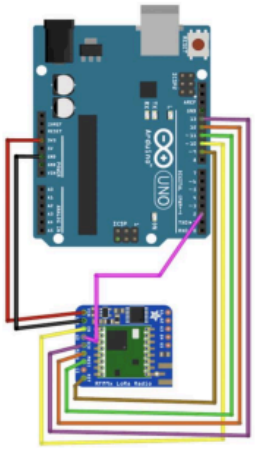

PIR Motion Sensor
Arduino
UNO
+5V
Output
GND

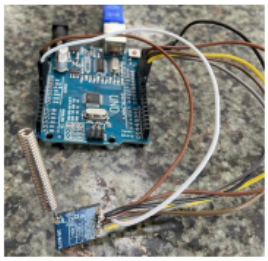

PIR HC-SR501
thePinout.tech
GND
OUT
VCC

Led



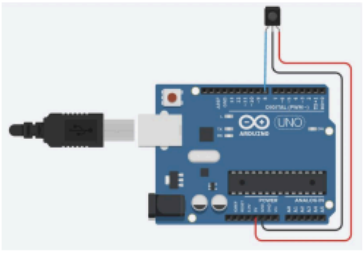
Interfacing LoRa XL1278-SMT





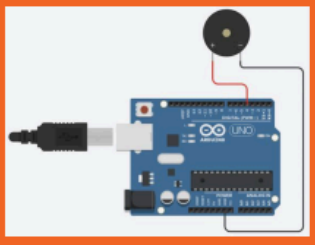
LoRa XL1278 Module	Arduino UNO Board
VCC	3.3V
GND	GND
NSS	D10
DIO0	D2
SLCK	D13
MISO	D12
MOSI	D11
REST	D9

Interfacing IR sensor



IR Sensor	Arduino Uno
VCC	VCC
GND	GND
OUT	D8

Interfacing the Buzzer



Buzzer	Arduino Uno
+	D4
-	GND

Connections Between XBee, Arduino Mega and Ultrasonic Sensor

- After installation XTCU software and Arduino ide
- Now make the connections between XBee, Arduino mega and ultrasonic sensor.
- 3vcc of XBee to 3vcc of Arduino mega
- Pin 2-TX , Pin 3-RX of XBee to RX0-0, TX0-1 of Arduino Mega
- GND- XBee to GND -AM
- 5VCC of Ultrasonic sensor to 5vcc-AM
- GND- US to GND-AM
- TRIG and Echo to Pin 5 and 4 resp.