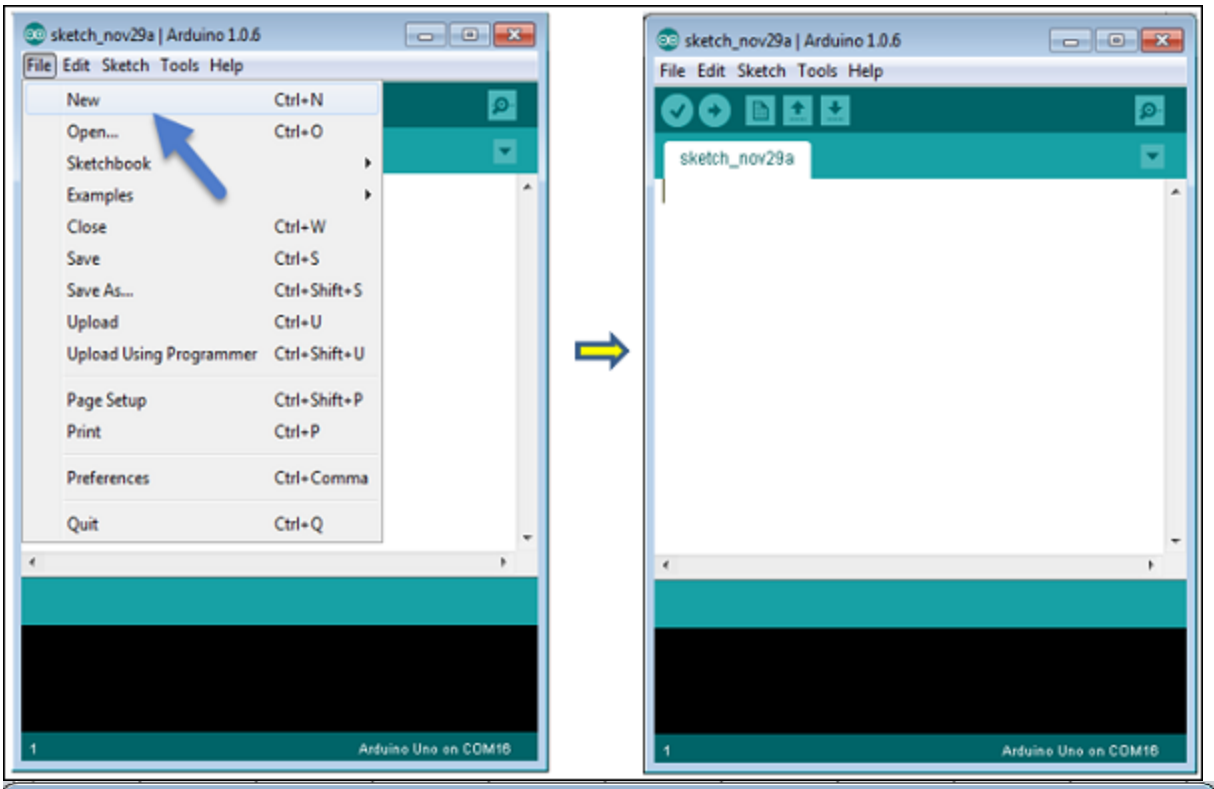
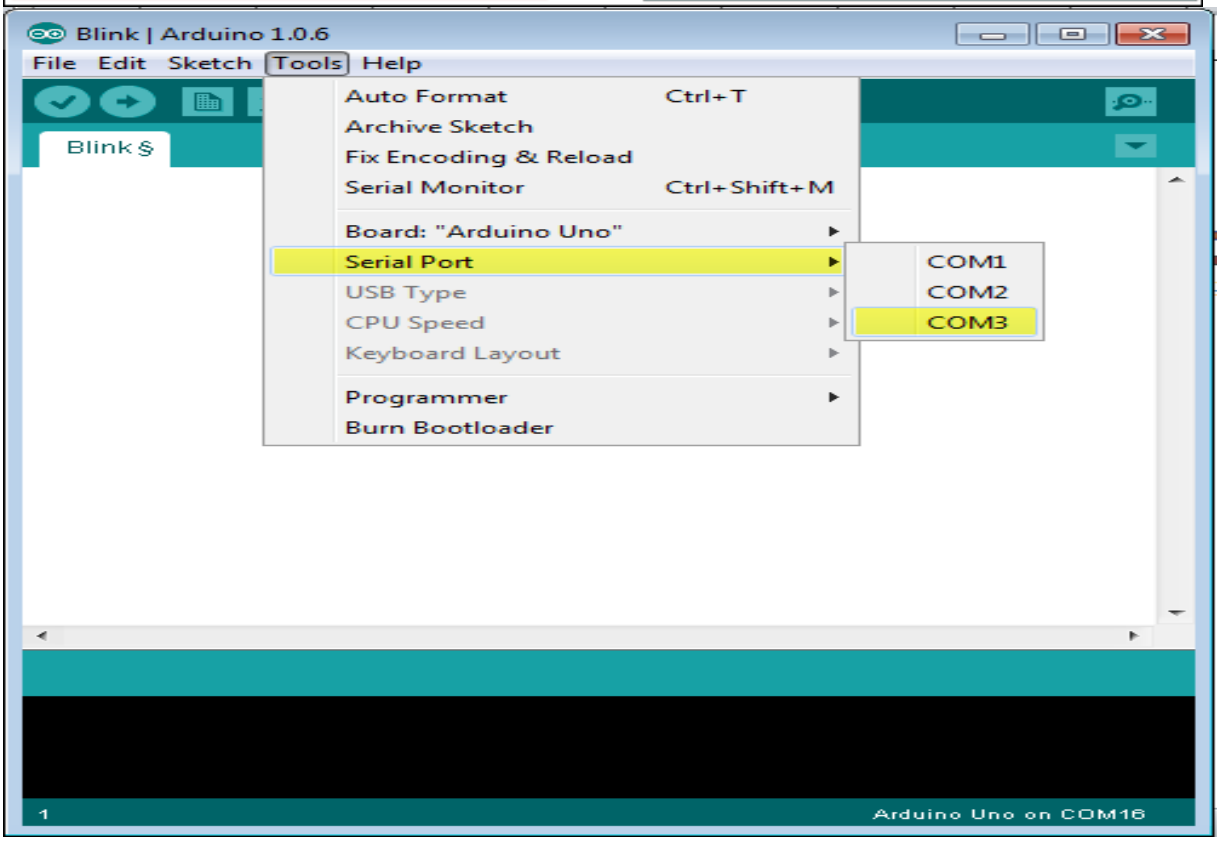
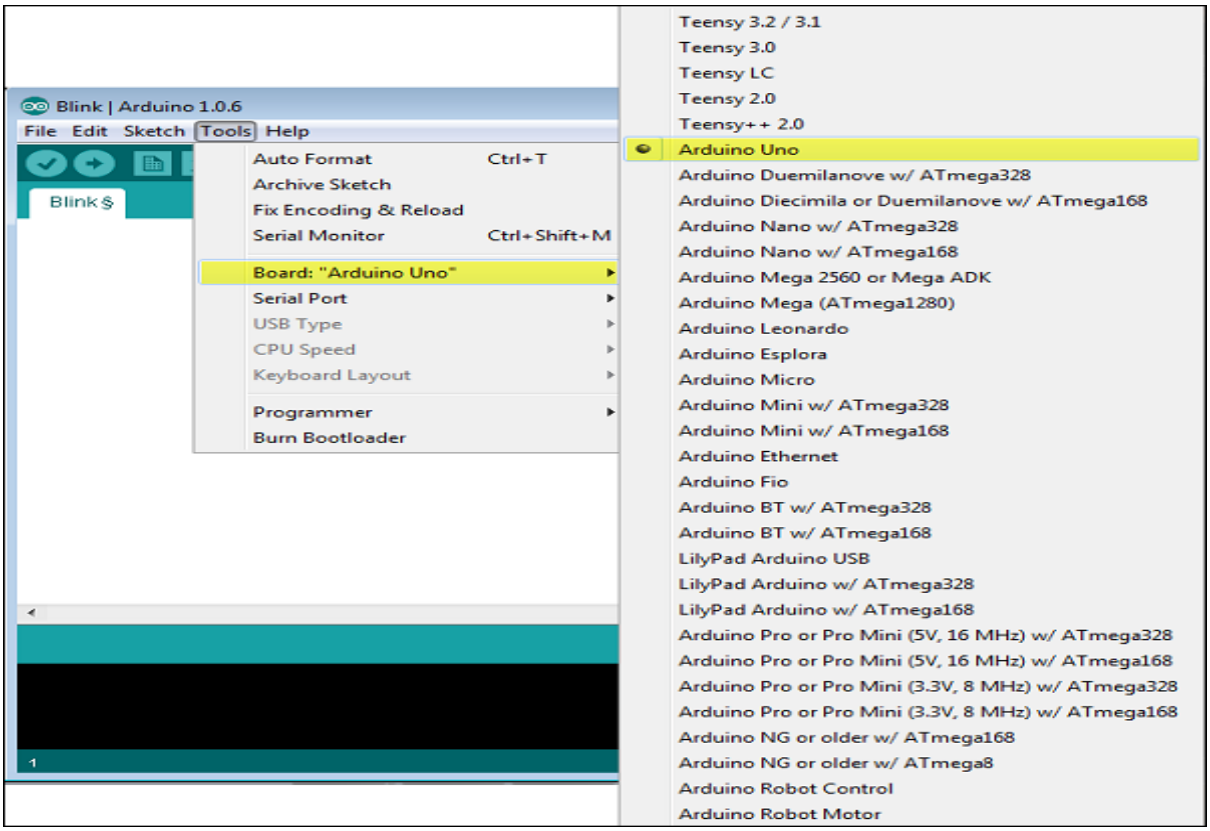
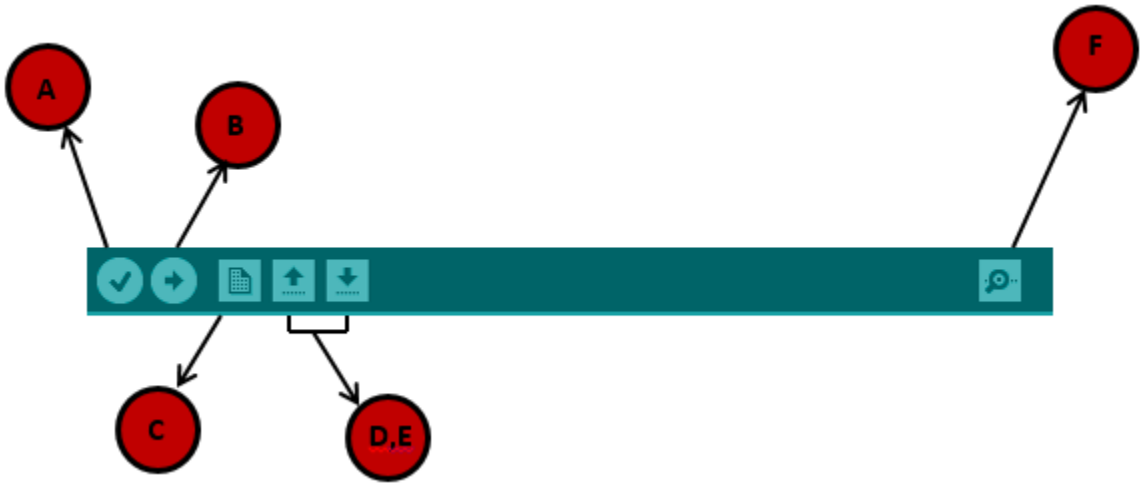
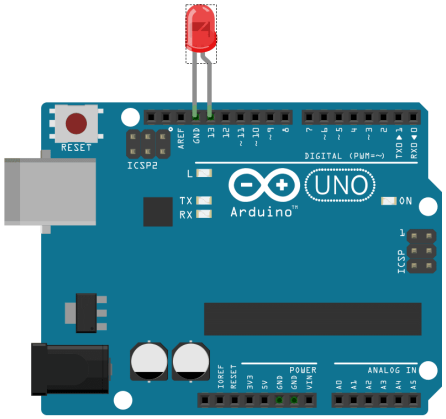
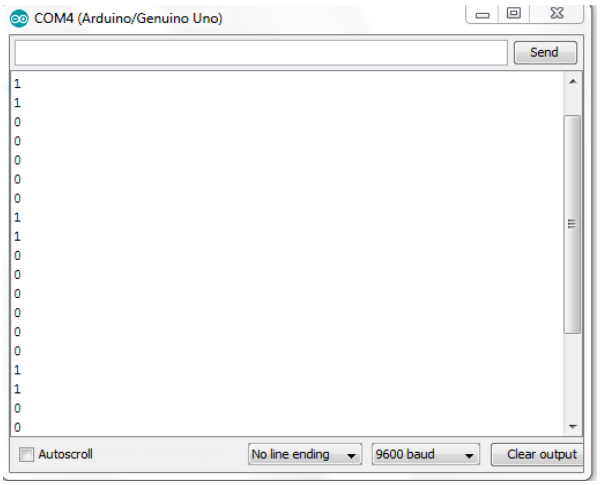

sketch_nov29a | Arduino 1.0.6
File Edit Sketch Tools Help
New Ctrl+N
Open... Ctrl+O
Sketchbook
Examples
Close Ctrl+W
Save Ctrl+S
Save As... Ctrl+Shift+S
Upload Ctrl+U
Upload Using Programmer Ctrl+Shift+U
Page Setup Ctrl+Shift+P
Print Ctrl+P
Preferences Ctrl+Comma
Quit Ctrl+Q
1
Arduino Uno on COM16
sketch_nov29a | Arduino 1.0.6
File Edit Sketch Tools Help
sketch_nov29a
1
Arduino Uno on COM16

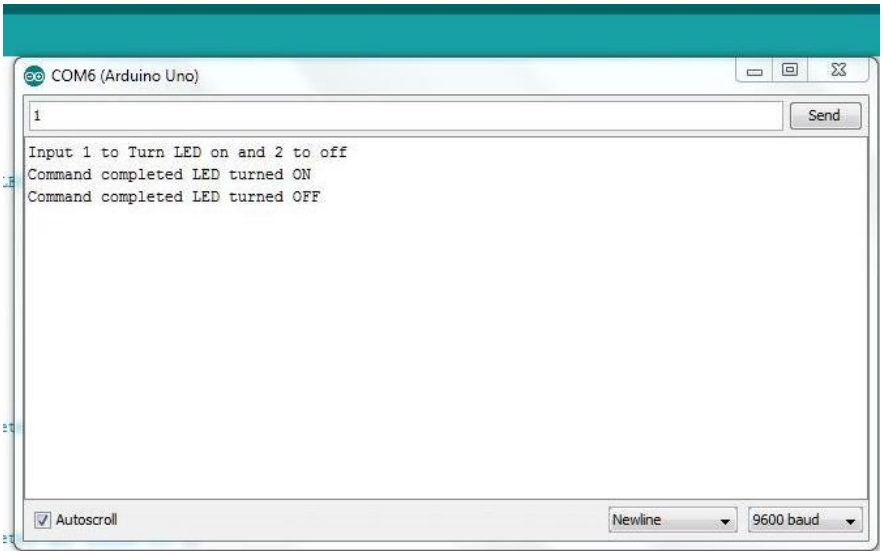

Blink | Arduino 1.0.6
File Edit Sketch Tools Help
Blink §
Auto Format Ctrl+T
Archive Sketch
Fix Encoding & Reload
Serial Monitor Ctrl+Shift+M
Board: "Arduino Uno"
Serial Port
USB Type
CPU Speed
Keyboard Layout
Programmer
Burn Bootloader
COM1
COM2
COM3
1
Arduino Uno on COM16

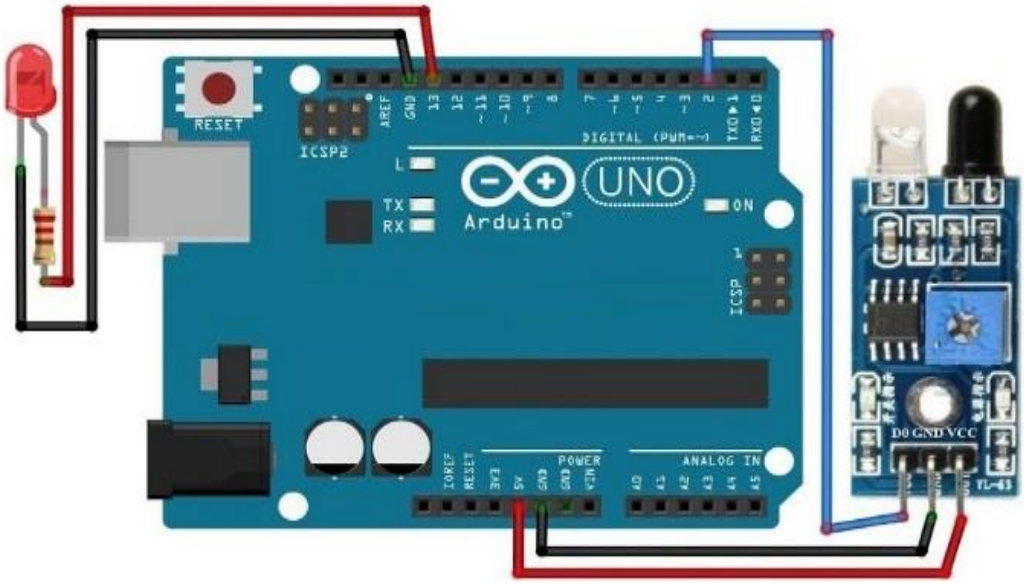

Blink | Arduino 1.0.6
File Edit Sketch Tools Help
Blink §
Auto Format Ctrl+T
Archive Sketch
Fix Encoding & Reload
Serial Monitor Ctrl+Shift+M
Board: "Arduino Uno"
Serial Port
USB Type
CPU Speed
Keyboard Layout
Programmer
Burn Bootloader
1
Teensy 3.2 / 3.1
Teensy 3.0
Teensy LC
Teensy 2.0
Teensy++ 2.0
Arduino Uno
Arduino Duemilanove w/ ATmega328
Arduino Diecimila or Duemilanove w/ ATmega168
Arduino Nano w/ ATmega328
Arduino Nano w/ ATmega168
Arduino Mega 2560 or Mega ADK
Arduino Mega (ATmega1280)
Arduino Leonardo
Arduino Esplora
Arduino Micro
Arduino Mini w/ ATmega328
Arduino Mini w/ ATmega168
Arduino Ethernet
Arduino Fio
Arduino BT w/ ATmega328
Arduino BT w/ ATmega168
LilyPad Arduino USB
LilyPad Arduino w/ ATmega328
LilyPad Arduino w/ ATmega168
Arduino Pro or Pro Mini (5V, 16 MHz) w/ ATmega328
Arduino Pro or Pro Mini (5V, 16 MHz) w/ ATmega168
Arduino Pro or Pro Mini (3.3V, 8 MHz) w/ ATmega328
Arduino Pro or Pro Mini (3.3V, 8 MHz) w/ ATmega168
Arduino NG or older w/ ATmega168
Arduino NG or older w/ ATmega8
Arduino Robot Control
Arduino Robot Motor


A
B
C
D,E
F

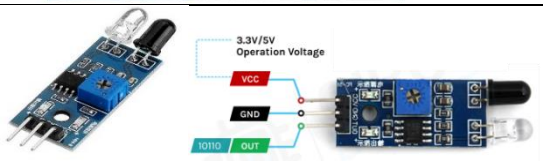
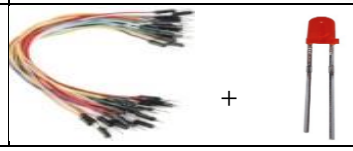



COM4 (Arduino/Genuino Uno)
Send
1
1
0
0
0
0
0
1
1
0
0
0
0
0
1
1
0
0
Autoscroll
No line ending
9600 baud
Clear output

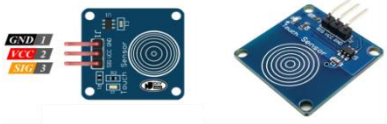
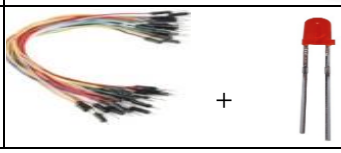

COM6 (Arduino Uno)
1
Send
Input 1 to Turn LED on and 2 to off
Command completed LED turned ON
Command completed LED turned OFF
Autoscroll
Newline
9600 baud

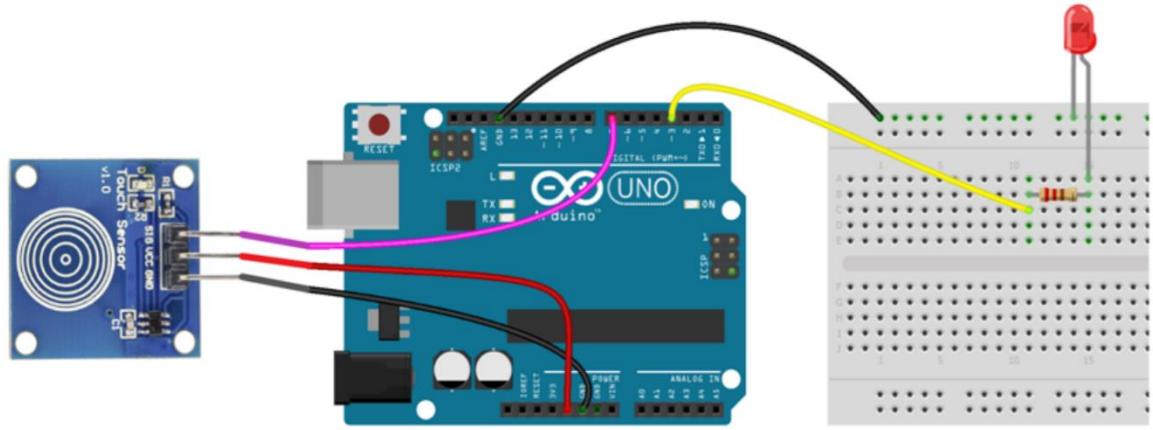

RESET
ICSP2
DIGITAL (PWM~)
UNO
Arduino
TX
RX
ON
ICSP
POWER
ANALOG IN
D0 GND VCC

Parts required:

Sl.no	Description	Image	Quantity
1	Arduino Uno board		1
2	IR Sensor		1
3	External power source		1
4	Connecting power cable		1
5	Connecting wires		1

Parts Required:

Sl.no	Description	Image	Quantity
1	Arduino Uno board		1
2	Touch Sensor		1
3	External power source		1
4	Connecting power cable		1
5	Connecting wires		1



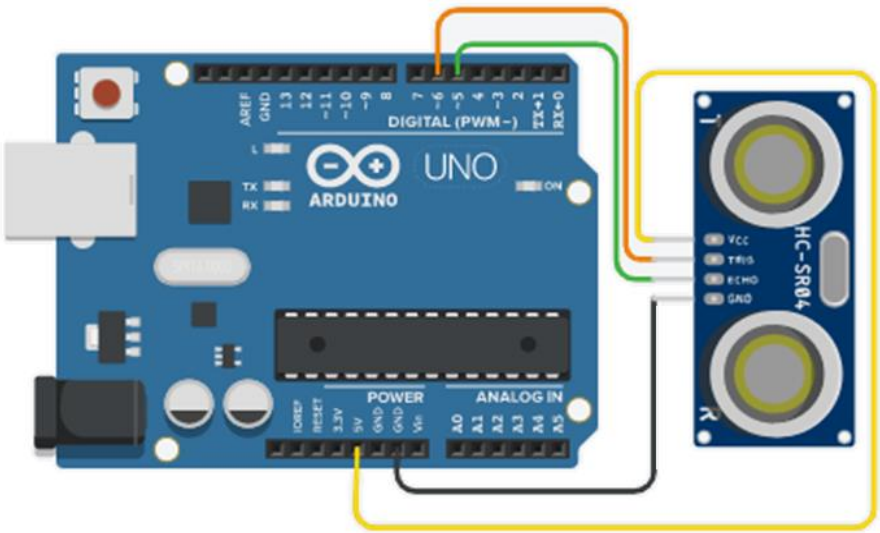

```
COM3 (Arduin
TOUCHED
not touched
TOUCHED
not touched
TOUCHED
TOUCHED
TOUCHED
TOUCHED
TOUCHED
TOUCHED
TOUCHED
TOUCHED
not touched
not touched
not touched
not touched
```

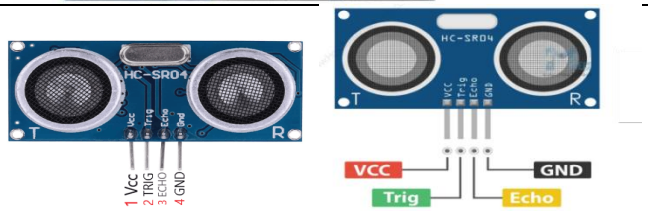
COM3

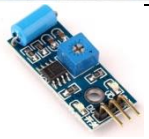
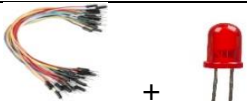
Send

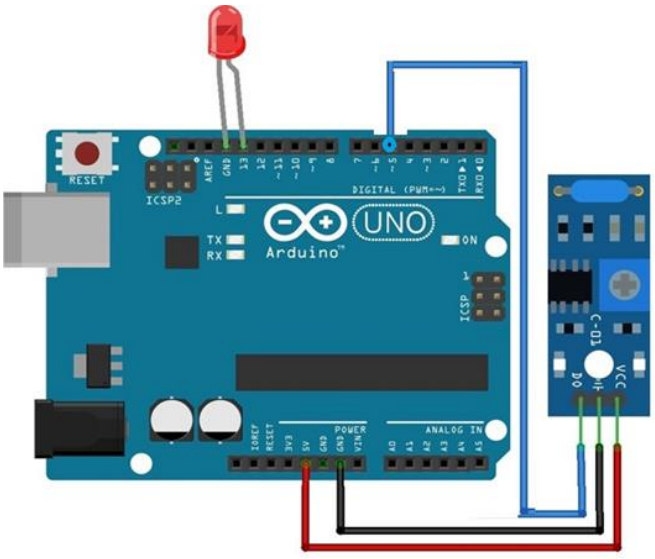
```
2in, 5cm
3in, 9cm
2in, 7cm
1in, 4cm
3in, 8cm
3in, 9cm
1in, 4cm
2in, 7cm
3in, 9cm
2in, 6cm
2in, 6cm
3in, 9cm
1in, 4cm
2in, 6cm
```

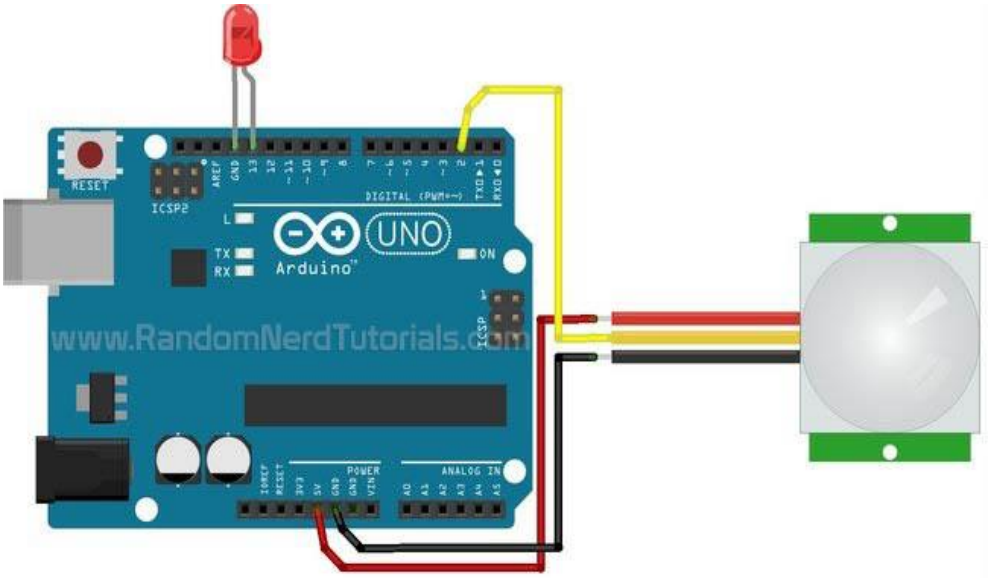
Autoscroll Show timestamp Newline 9600 baud Clear output



Sl.no	Description	Image	Quantity
1	Arduino Uno board		1
2	Ultrasonic Sensor		1
3	External power source		1
4	Connecting power cable		1
5	Connecting wires	 + 	1

Sl.no	Description	Image	Quantity
1	Arduino board		1
2	Vibration Sensor		1
3	External power source		1
4	Connecting power cable		1
5	Connecting wires and led		1





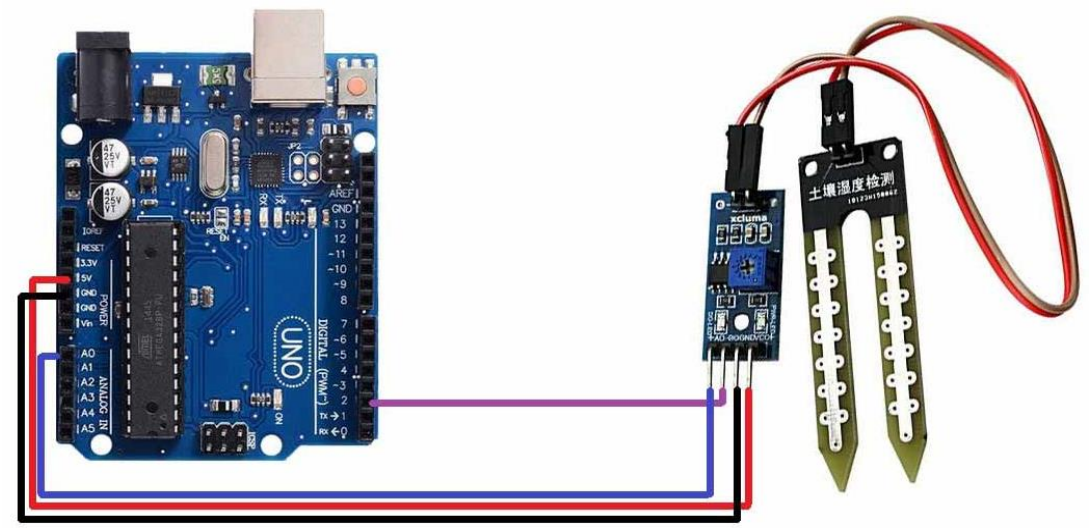
Serial Monitor

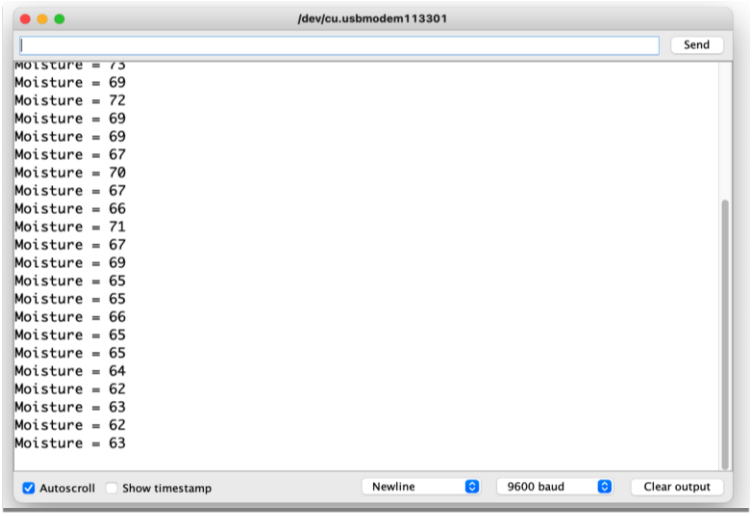
```
Motion detected!
Motion detected!
Motion detected!
No motion detected.
Motion detected!
Motion detected
```

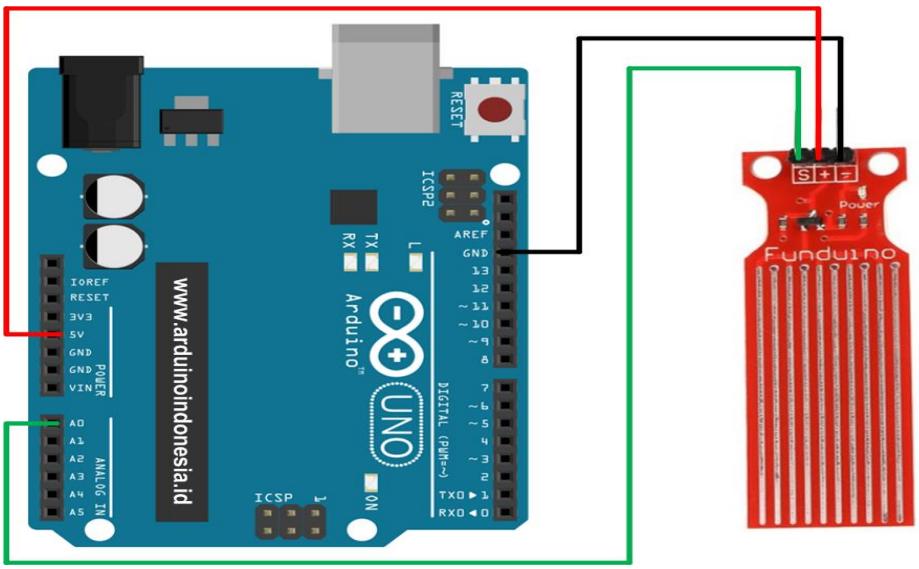
Parts required:

Sl.no	Description	Image	Quantity
1	**Arduino UNO Board**		1
2	**PIR Motion Sensor (HCSR501)**		1
3	**Connecting Power cable**		1
4	**JUMPER CABLE**		1

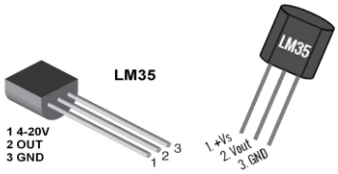
Sl.no	Description	Image	Quantity
1	Arduino board		1
2	Soil Moisture Senor		1
3	External power source		1
4	Connecting power cable		1
5	Connecting wires		1


土壤湿度检测
xcluma
UNO


/dev/cu.usbmodem113301
Send
Moisture = 73
Moisture = 69
Moisture = 72
Moisture = 69
Moisture = 69
Moisture = 67
Moisture = 70
Moisture = 67
Moisture = 66
Moisture = 71
Moisture = 67
Moisture = 69
Moisture = 65
Moisture = 65
Moisture = 66
Moisture = 65
Moisture = 65
Moisture = 64
Moisture = 62
Moisture = 63
Moisture = 62
Moisture = 63
Autoscroll
Show timestamp
Newline
9600 baud
Clear output


www.arduinoindonesia.id
UNO
Arduino
Funduino
Power

Sl.no	Description	Image	Quantity
1	Arduino board		1
2	Water Level indicter Senor		1
3	External power source		1
4	Connecting power cable		1
5	Connecting wires		1

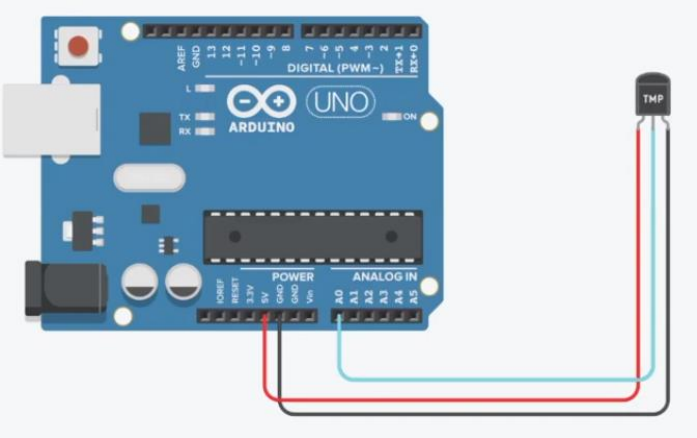
Sl.no	Description	Image	Quantity
1	Arduino board		1
2	LM35 Temperature Sensor		1
3	External power source		1
4	Connecting power cable		1
5	Connecting wires		1

```
Water level: 0
Water level: 0
Water level: 0
Water level: 0
Water level: 80
Water level: 130
Water level: 260
Water level: 390
Water level: 411
Water level: 420
Water level: 435
Water level: 448
Water level: 485
Water level: 511
Water level: 521
Water level: 524
Water level: 533
```

The sensor was dry

The sensor was partially immersed in water

The sensor was fully immersed in water



LM35_TEMPERATURE_SENSOR | Arduino 1.6.4

File Edit Sketch Tools Help

LM35_TEMPERATURE_SENSOR

```
// LM35 TEMPERATURE SENSOR

float temp;       //Define the temp float variable
int sensor = 0;     // sensor middle pin on analog pin 0

void setup()
{
  Serial.begin(9600);
}

void loop()
{
  temp = analogRead(sensor);        //assigning the analog output to temp
  temp = temp * 0.48828125;         //converting volts to degrees celsius ----- 0.48828125 = [(5V

  //print information on the serial monitor
  Serial.print("The temperature is :");
  Serial.print(temp);
  Serial.println("deg. Celsius");

  //wait 1 second
  delay(1000);
}
```

Done uploading.

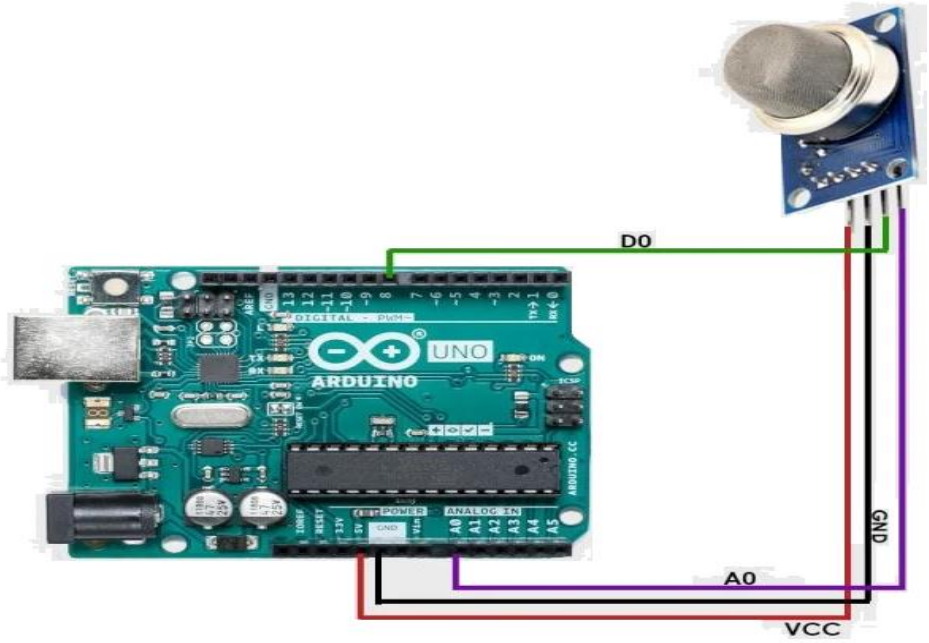
Global variables use 238 bytes (11%) of dynamic memory, leaving 1,810 bytes for local variables. M

COM4 (Arduino Uno)

Send

```
The temperature is :25.39deg. Celsius
The temperature is :26.37deg. Celsius
The temperature is :26.37deg. Celsius
The temperature is :26.37deg. Celsius
The temperature is :25.88deg. Celsius
The temperature is :25.88deg. Celsius
The temperature is :25.88deg. Celsius
The temperature is :25.88deg. Celsius
The temperature is :25.88deg. Celsius
The temperature is :25.88deg. Celsius
The temperature is :25.88deg. Celsius
The temperature is :26.37deg. Celsius
The temperature is :25.88deg. Celsius
The temperature is :25.88deg. Celsius
The temperature is :25.88deg. Celsius
The temperature is :25.88deg. Celsius
The temperature is :25.88deg. Celsius
The temperature is :26.37deg. Celsius
The temperature is :25.88deg. Celsius
The temperature is :26.37deg. Celsius
The temperature is :26.37deg. Celsius
The temperature is :26.37deg. Celsius
The temperature is :25.88deg. Celsius
The temperature is :26.37deg. Celsius
The temperature is :26.37deg. Celsius
The temperature is :25.88deg. Celsius
The temperature is :26.37deg. Celsius
The temperature is :25.88deg. Celsius
The temperature is :25.88deg. Celsius
The temperature is :25.88deg. Celsius
The temperature is :25.88deg. Celsius
The temperature is :26.37deg. Celsius
The temperature is :25.88deg. Celsius
The temperature is :25.39deg. Celsius
The temperature is :25.39deg. Celsius
```

Sl.no	Description	Image	Quantity
1	Arduino board		1
2	Gas Sensor		1
3	External power source		1
4	Connecting power cable		1
5	Connecting wires		1



COM14

Send

```
11:23:54.296 -> Sensor Value: 189.00
11:23:56.292 -> Sensor Value: 184.00
11:23:58.284 -> Sensor Value: 181.00
11:24:00.264 -> Sensor Value: 177.00
11:24:02.302 -> Sensor Value: 175.00
11:24:04.293 -> Sensor Value: 195.00
11:24:06.274 -> Sensor Value: 188.00
11:24:08.312 -> Sensor Value: 181.00
11:24:10.299 -> Sensor Value: 266.00 | Smoke detected!
11:24:12.279 -> Sensor Value: 261.00 | Smoke detected!
11:24:14.281 -> Sensor Value: 243.00 | Smoke detected!
11:24:16.308 -> Sensor Value: 220.00 | Smoke detected!
11:24:18.294 -> Sensor Value: 213.00 | Smoke detected!
11:24:20.285 -> Sensor Value: 203.00 | Smoke detected!
11:24:22.316 -> Sensor Value: 196.00
11:24:24.311 -> Sensor Value: 194.00
```

Autoscroll Show timestamp Newline 9600 baud Clear output