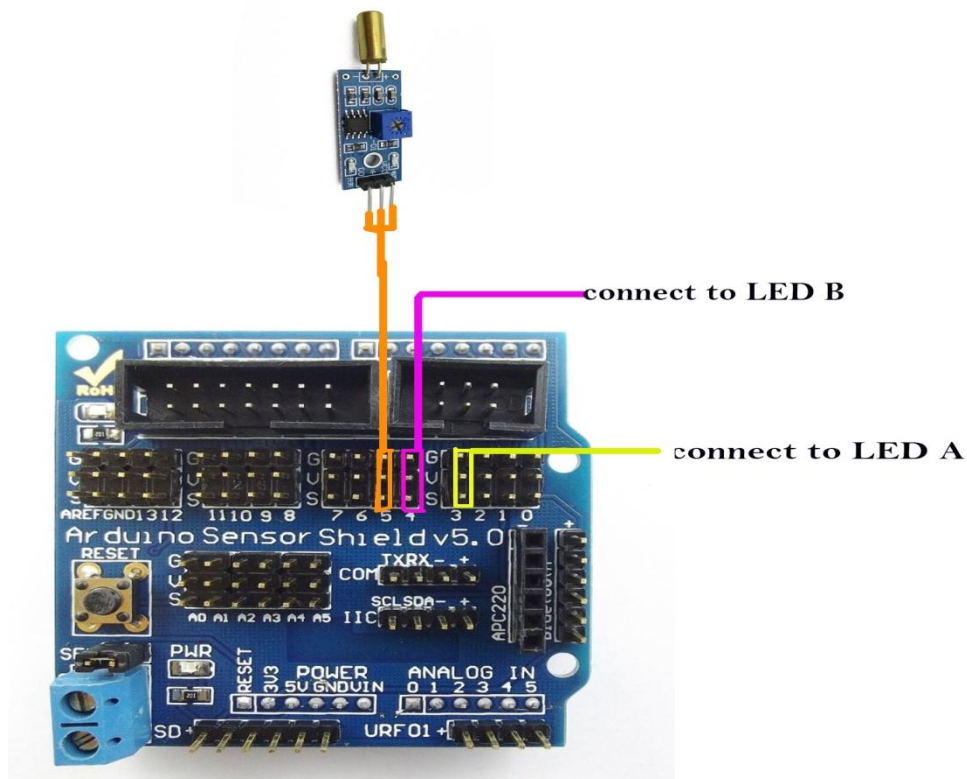## Simple Tilt-Activated LED

This application shows how to turn ON/OFF leds using tilt sensor and sensor shield V5.0. Tilt sensor will control to ON and OFF these two leds. Components needed for this testing is:

- Sensor shield V5.0
- Uno board and USB cable
- Tilt sensor
- Two LEDs (green and red)
- Resistor 10Kohm x 2
- Jumper wires

Set the connection as shown in figure below



Led A: digital pin3.

Led B: digital pin 4.

Tilt sensor: digital pin 5

Next, upload the code provided into the arduino.ide

Output shows that if sensor is tilt to one end, green led (LED A) will lights up (figure 1) and if sensor is tilted another end, red led (LED B) will light up (figure 2)
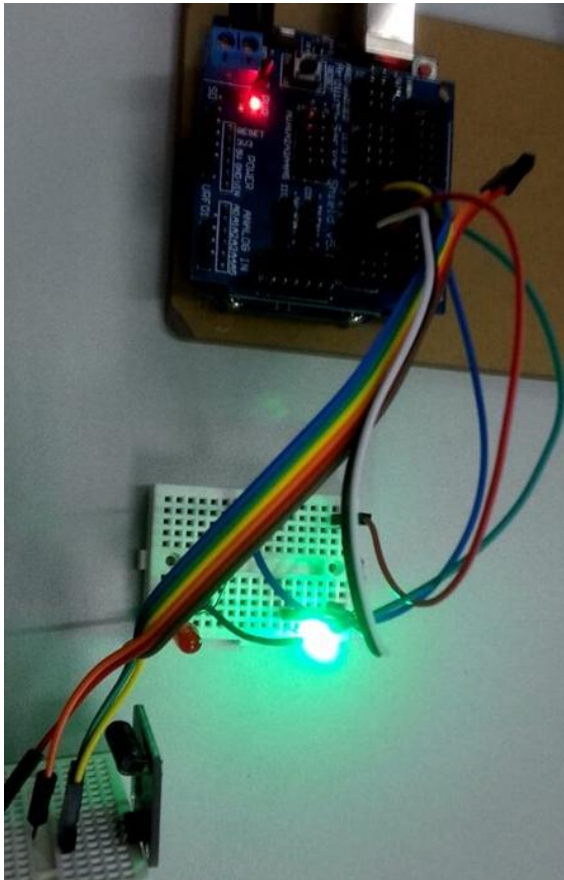
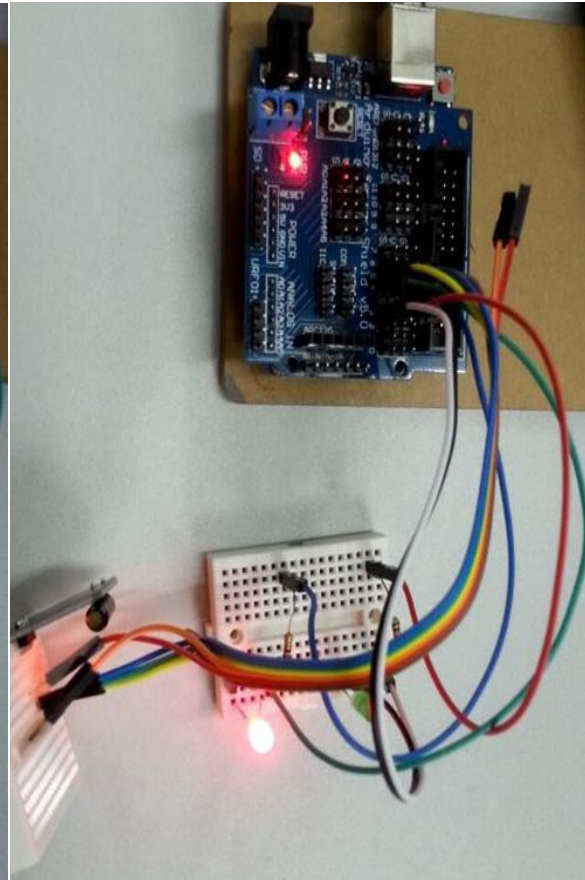| | |
|---|---|
| Figure 1 | Figure 2 |