USING A TILT SWITCH

A tilt switch can detect the tilting of an object.

It is like a push button but activated through a slightly different mechanism inside.

There is a small ball inside that when tilted, rolls to one side and completes the circuit.

INSTRUCTIONS:

Connect **pin 10** to **LED** to **resistor** and back to **digital GND** on the arduino.
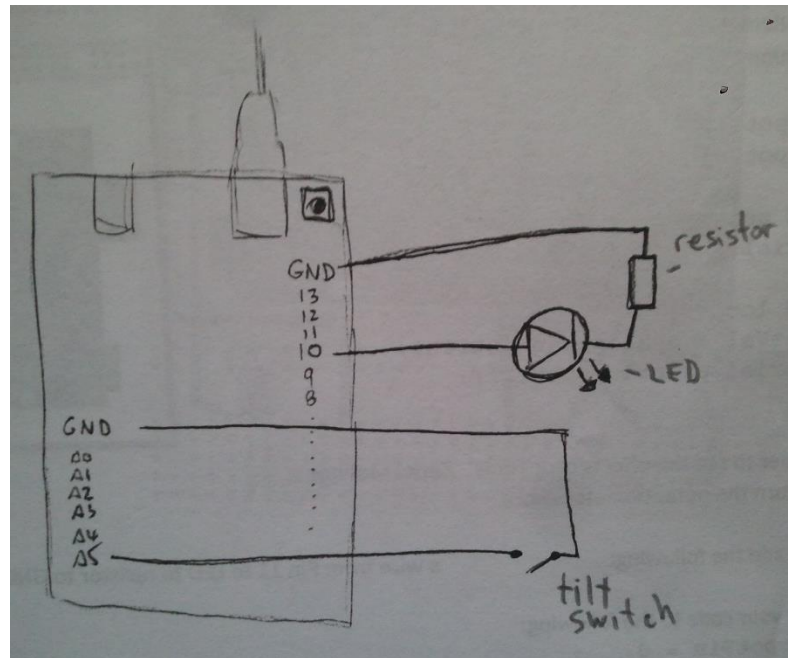
Connect **AnalogPin 5** to **TiltSwitch** and back to the **analog GND**.

Use the following code...


```
int tiltAmount;
int ledPin = 10;
int analogIn5 = 5;

void setup(){
  pinMode (ledPin, OUTPUT);
  Serial.begin (9600);
}

void loop()
{
  tiltAmount=analogRead(analogIn5);
  Serial.println (tiltAmount);
  if (tiltAmount>100) {
    digitalWrite(ledPin, HIGH);
  }
  else {
    digitalWrite(ledPin, LOW);
  }
}
```

View the tilt amount being read in by looking at the Serial Monitor (click Tools... Serial Monitor)

Play around with the sensitivity. Increase the number and decrease the number.