

Case Statement

Description

This example uses a photo resistor to measure the light in the environment. The code translates the value read to “dim, bright, dark, etc.” with switch cases. We will be using the code provided under the examples on the Arduino* IDE 1.5.3.

Hardware

- Intel® Galileo
- Breadboard
- Photo resistor
- Wires
- 10K resistor

Instructions

1. Place the PhotoResistor on the breadboard. *(see circuit below)*
2. Connect one side of the PhotoResistor to 5V.
3. Connect the other side of the photoresistor to 10K resistor.
4. Connect the other side of the 10K resistor to GND.
5. Connect A0 on the Galileo to the photoresistor and the 10K resistor.
6. Connect power supply to the Galileo and USB to USB Client Port on the Galileo.
7. Open Arduino IDE under Tools → Board select Intel® Galileo
8. Under Tools → Serial Port select the Com # where the Galileo is connected to.
9. Under File → Examples → 05.Control and select the “switchCase” example.
10. Upload to the Galileo by clicking the upload button. 
11. Monitor the value of the potentiometer in the Serial Monitor. 

Circuit

