

Array


Description

This example will use 6 LED and will control the LED lighting using an array. We will be using the code provided under the examples on the Arduino* IDE 1.5.3.

Hardware

- Intel® Galileo
- Breadboard
- 6 LED
- Wires

Instructions

1. Place the six LED on the bread board. Notice the longer leg on the LED is positive and the shorter leg negative.
2. Connect a wire from GND pin-out on the Galileo to the negative strip on the breadboard
3. Connect six wires from negative strip on the breadboard to the negative side on the six LED.
4. Connect a wire from pin-out 2 on the Galileo to the positive leg on the LED1. *(left to right)*
5. Connect a wire from pin-out 7 on the Galileo to the positive leg on the LED2.
6. Connect a wire from pin-out 4 on the Galileo to the positive leg on the LED3.
7. Connect a wire from pin-out 6 on the Galileo to the positive leg on the LED4.
8. Connect a wire from pin-out 5 on the Galileo to the positive leg on the LED5.
9. Connect a wire from pin-out 3 on the Galileo to the positive leg on the LED6.
10. Connect power supply to the Galileo and USB to USB Client Port on the Galileo.
11. Open Arduino IDE under Tools → Board select Intel® Galileo.
12. Under Tools → Serial Port select the Com # where the Galileo is connected to.
13. Under File → Examples → 05.Control and select the “Arrays” example.
14. Upload to the Galileo by clicking the upload button. 

Circuit

