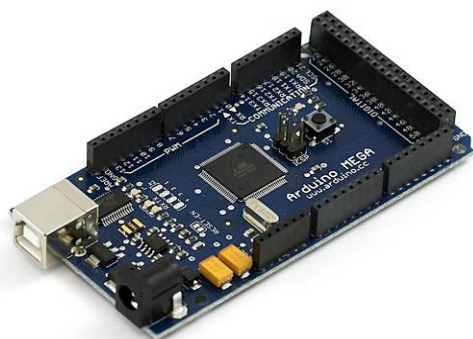




新车间  
[Xinchejian]

# Arduino 入门工作坊

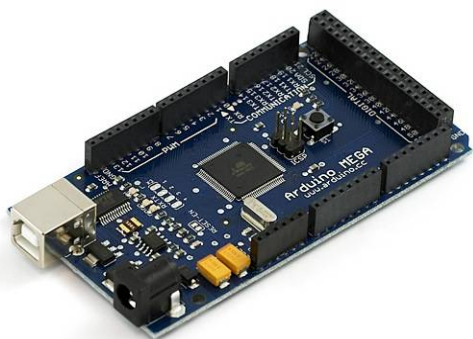


何琪辰  
[heqichen@yahoo.com.cn](mailto:heqichen@yahoo.com.cn)

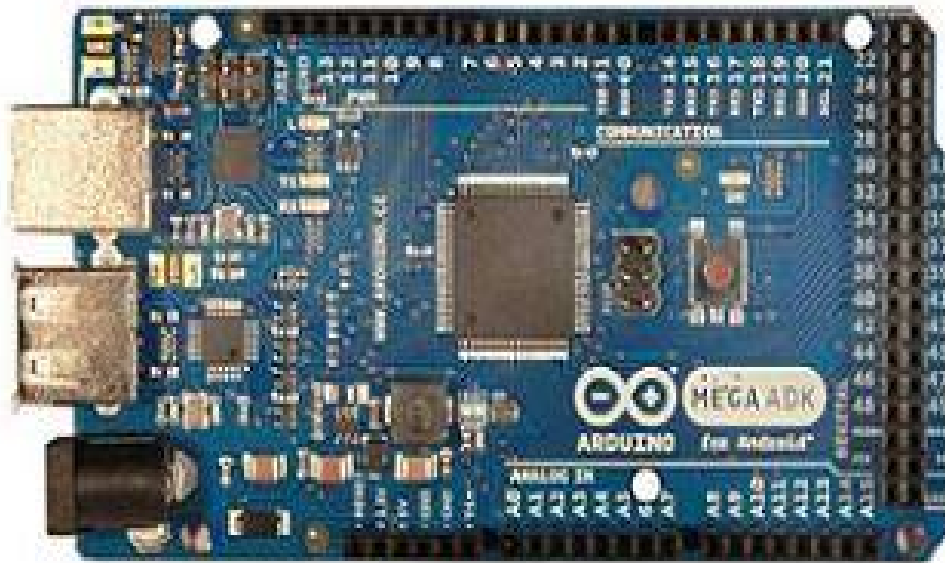
Aug 14, 2011

# Arduino 介绍

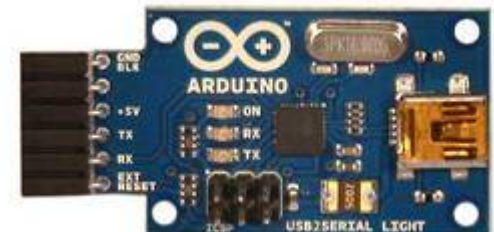
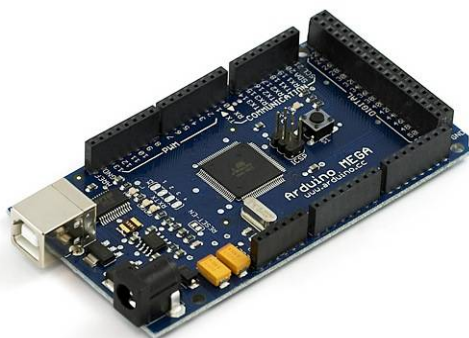
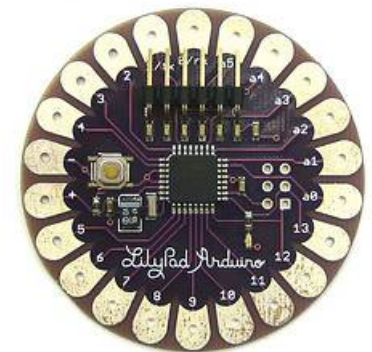
- 开源硬件
- AVR 处理器
- 可编程
- 资源丰富



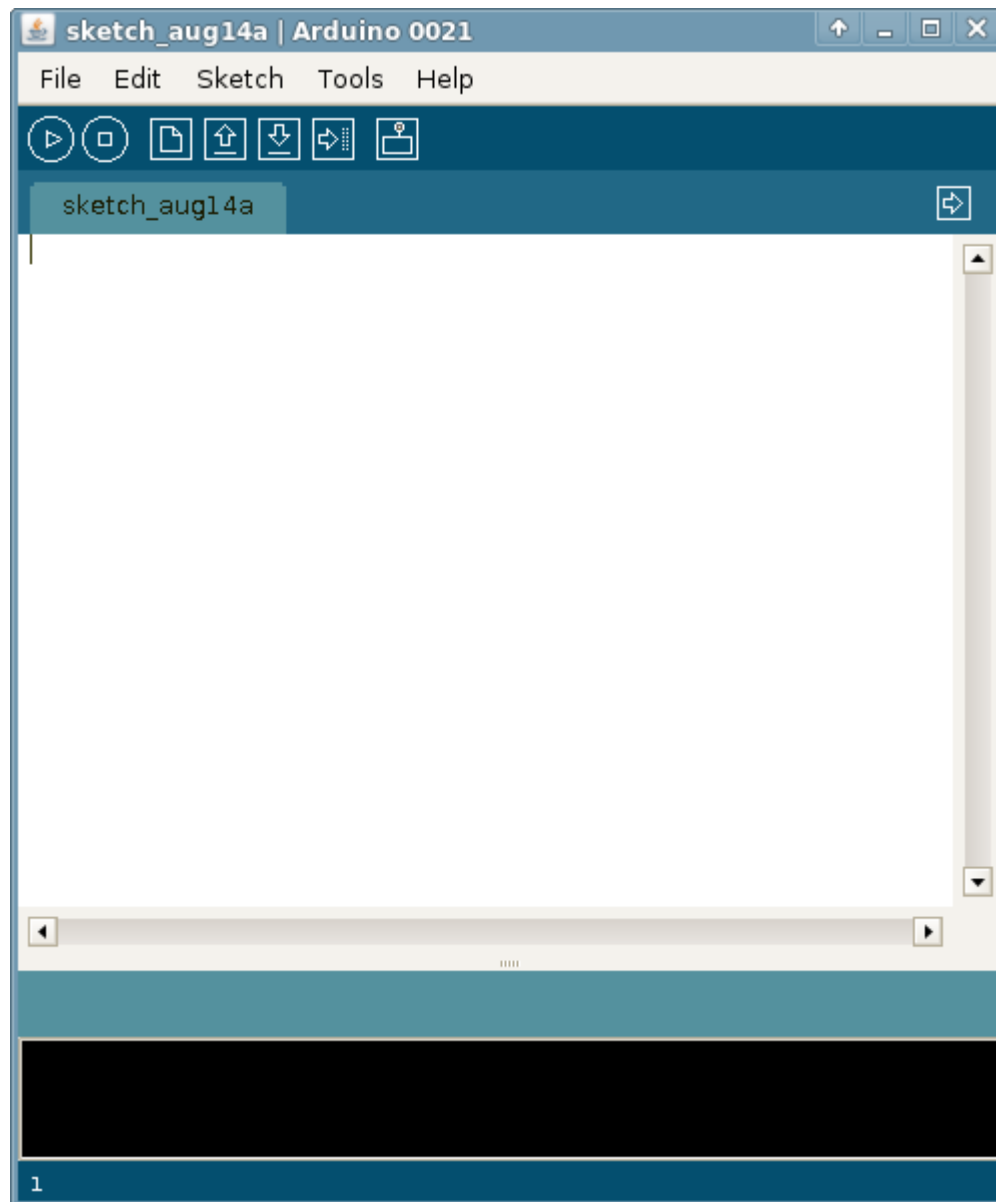
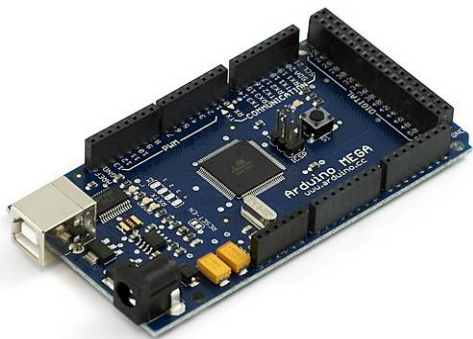
新车间  
[Xinchejian]



新车间  
[Xinchejian]



# 软件环境

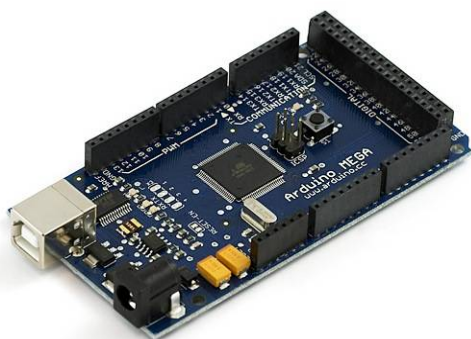


新车间  
[Xinchejian]

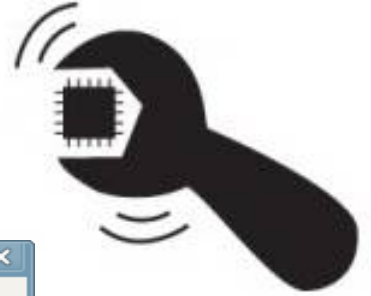


新车间  
[Xinchejian]

# 动手做

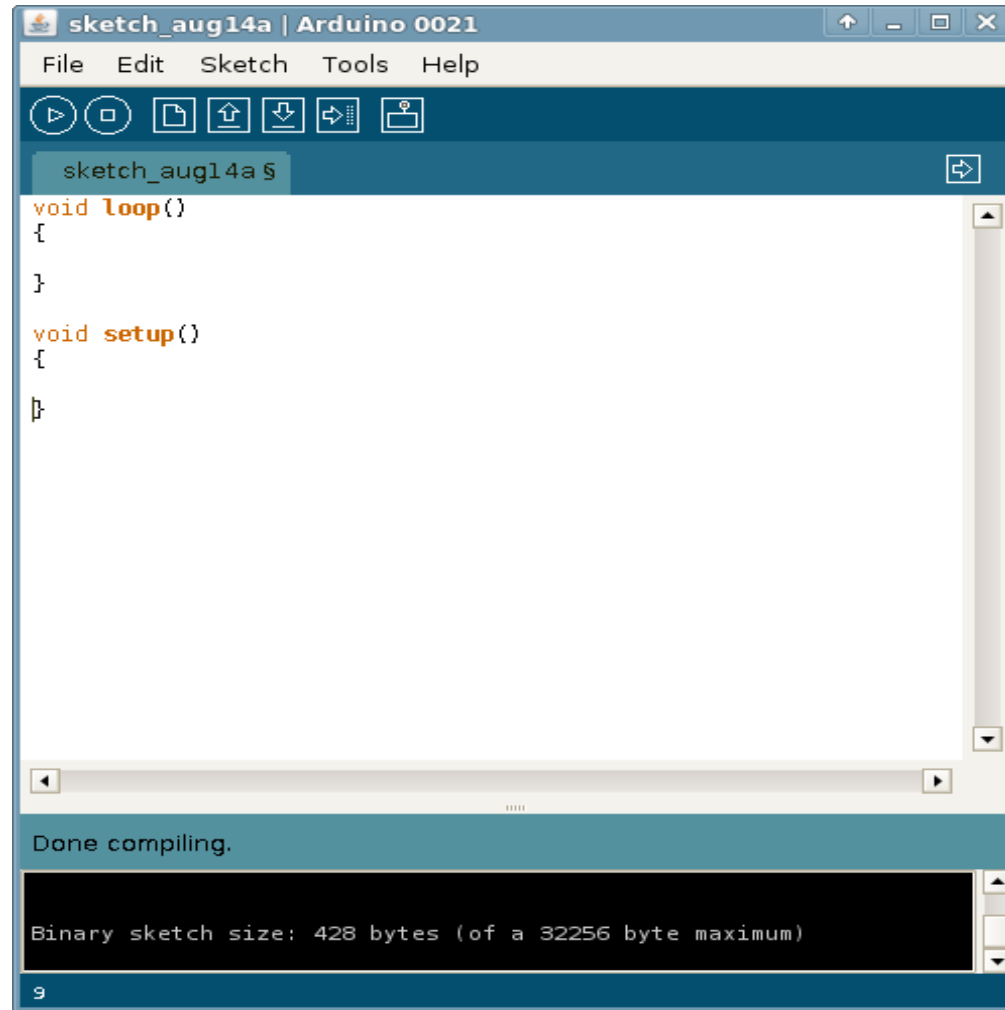


# Ex1. Hello World (Easy)



新车间  
[Xinchejian]

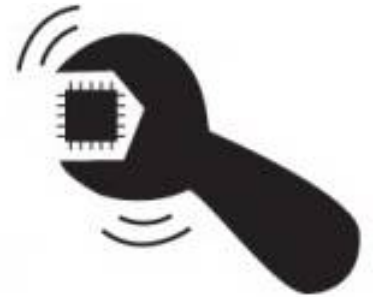
```
void loop()  
{  
  
}  
  
void setup()  
{  
  
}
```



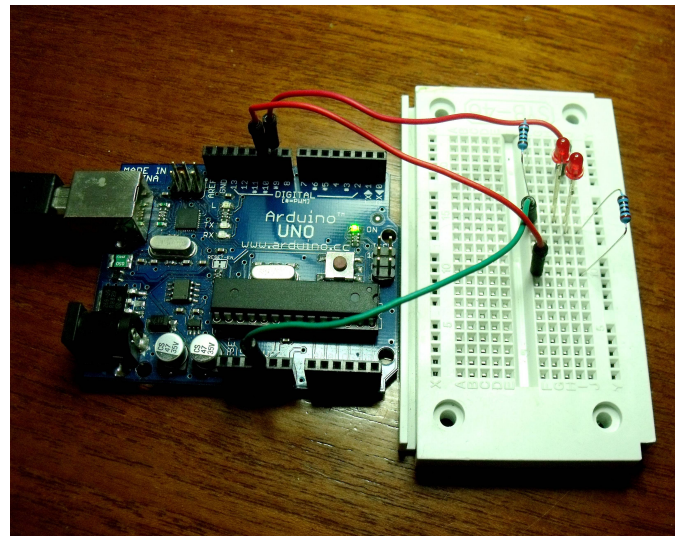
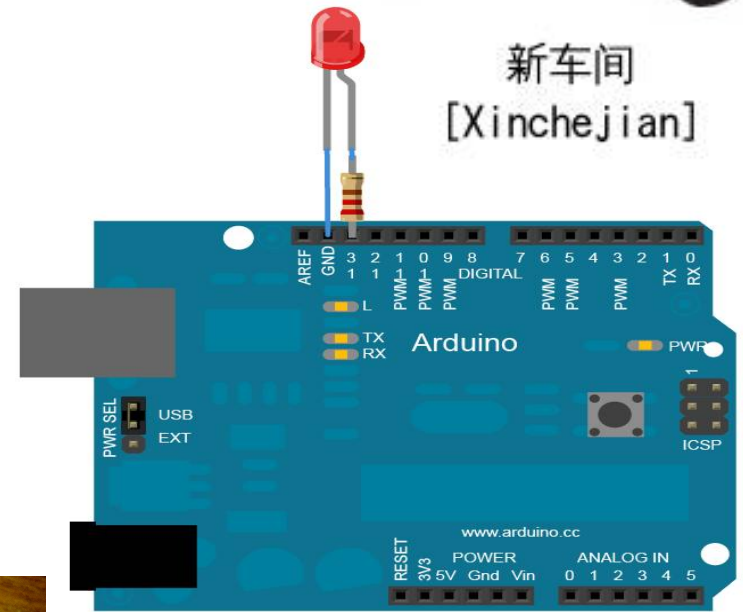


# Ex2. Blink light (Medium)

- `delay( <milliseconds> );`
- `pinMode( <pin#>, OUTPUT);`
- `digitalWrite( <pin#>, <status> )`
- `random( <MaxNumber> );`

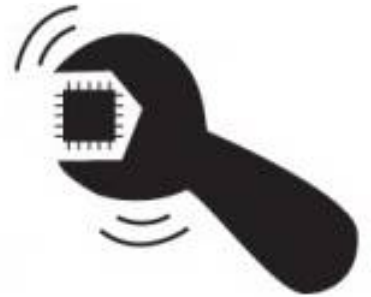


新车间  
[Xinchejian]

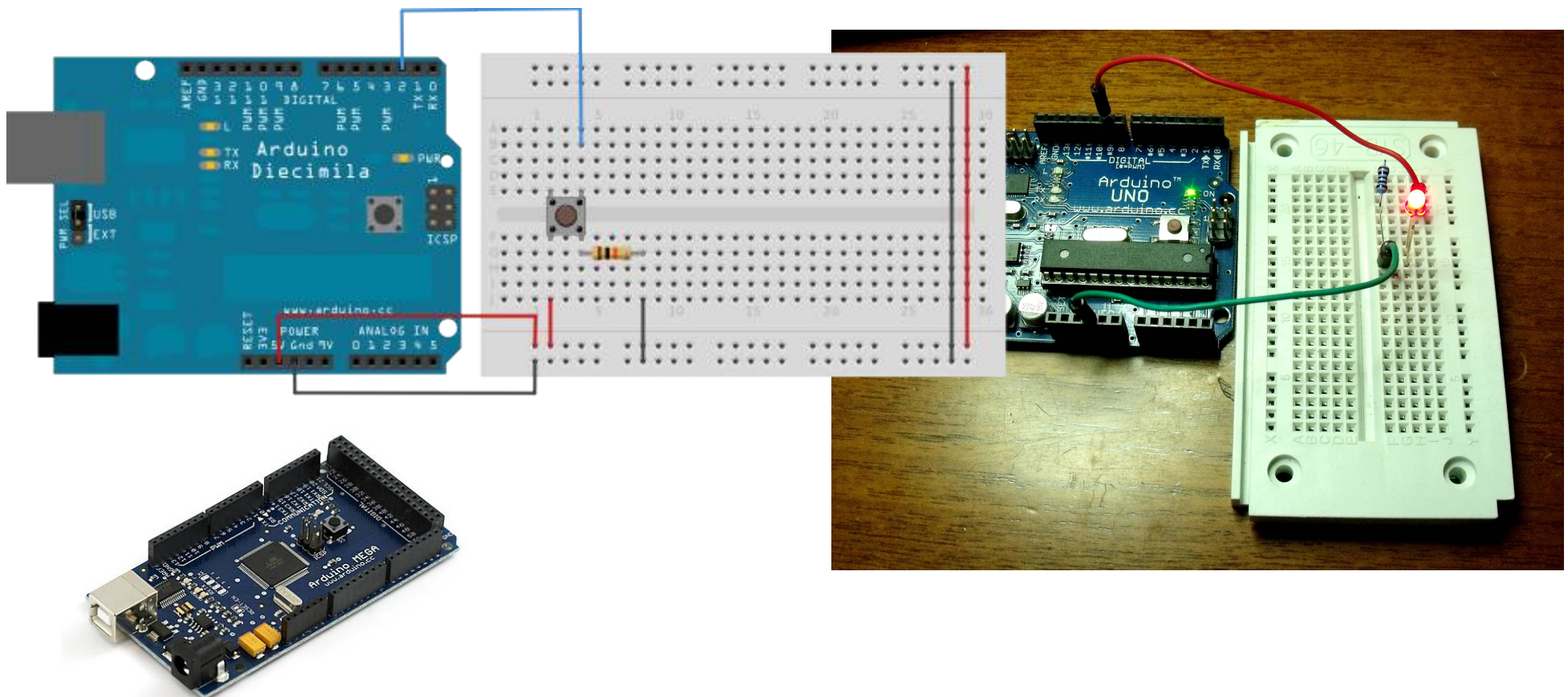


# Ex3. Breathe light (Hard)

- `analogWrite( <pin#> , <value> );`
- `digitalRead( <pin#> );`



新车间  
[Xinchejian]



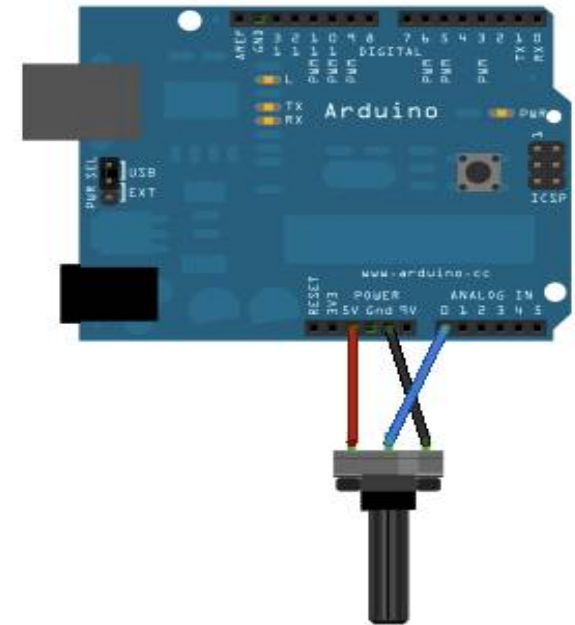
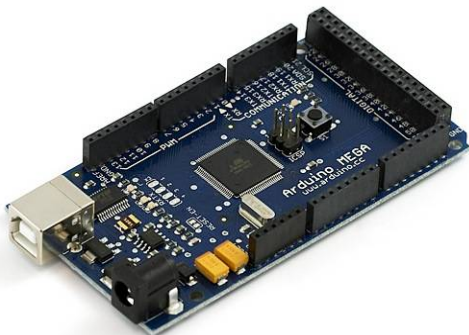
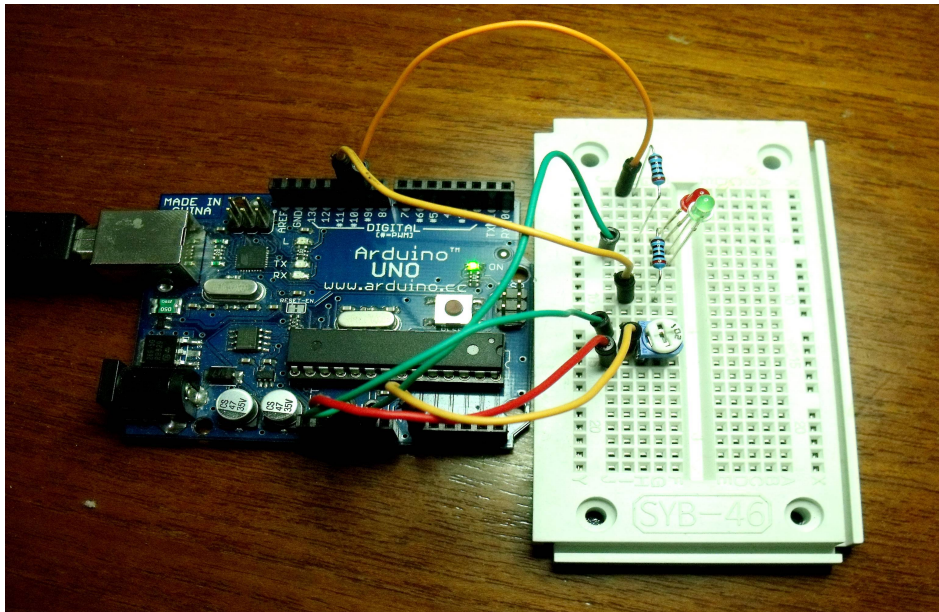


# Ex4. Mood light (Medium)

- `analogRead( <pin#> );`



新车间  
[Xinchejian]



# Ex5. Misc



新车间  
[Xinchejian]





新车间  
[Xinchejian]

# Enjoy IT!

<http://gaishi.vicp.net/>  
heqichen@yahoo.com.cn

