Fritzing Layout : 1

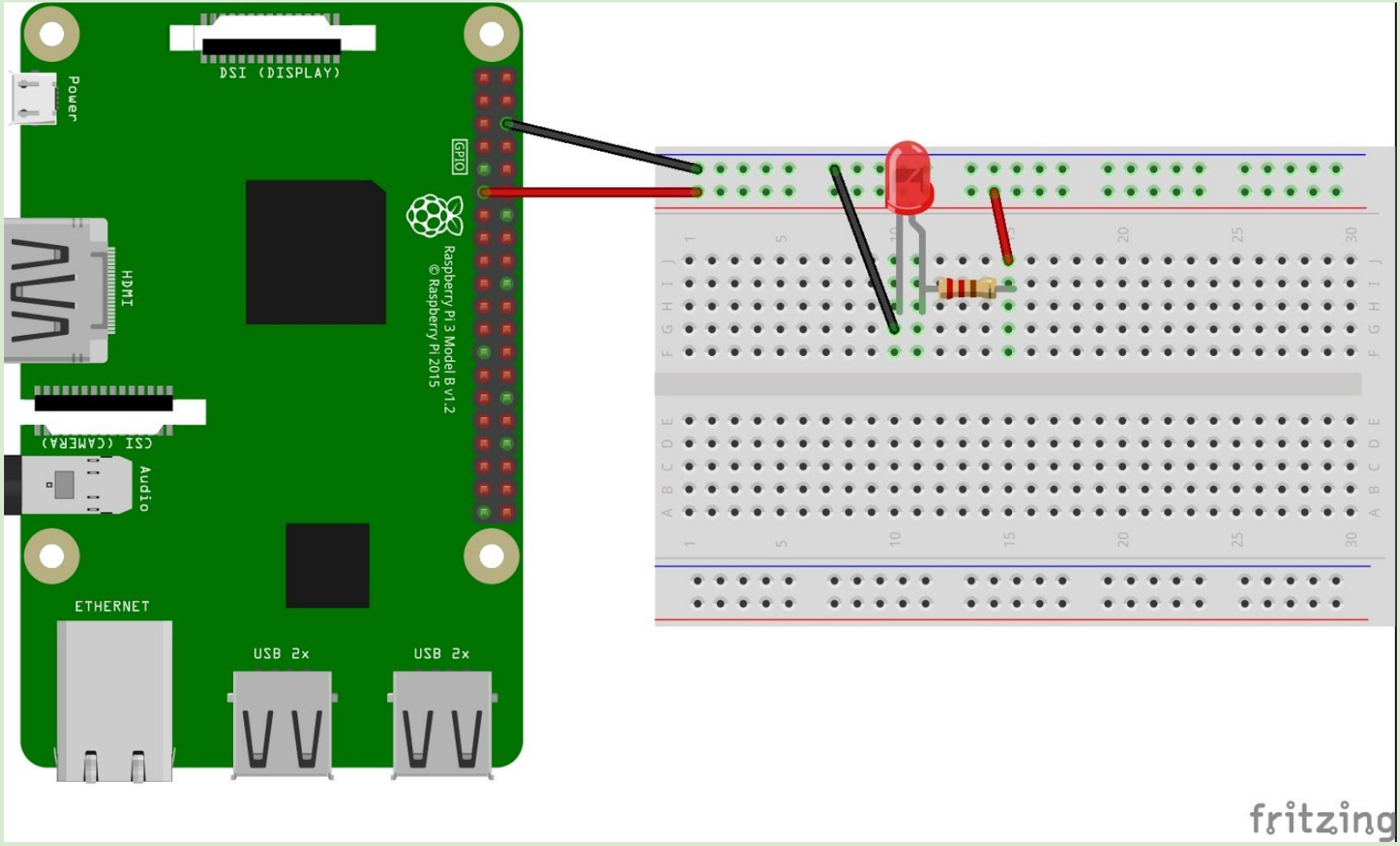
Usage : 2

Java File : 4

Result Image : 6

RaspberryPi3 :: Java :: Lec_JavaRasPi3_0140 :: Ch01011_ManualLedOnOffOnRaspberryPi3

01. Fritzing Layout :



RaspberryPi3 :: Java :: Lec_JavaRasPi3_0140 :: Ch01011_ManualLedOnOffOnRaspberryPi3

02. Usage :

라즈베리파이에서 직접 GPIO 실행해서 LED ON/OFF 하기[1] :

```
pi@raspberrypi:/sys/class/gpio $ sudo su
root@raspberrypi:/sys/class/gpio# echo 17 > /sys/class/gpio/export

root@raspberrypi:/sys/class/gpio# ls -l
합계 0
-rwxrwx--- 1 root gpio 4096 10월  2 11:11 export
lrwxrwxrwx 1 root gpio    0 10월  2 11:11 gpio17 ->
../../devices/platform/soc/3f200000.gpio/gpio/gpio17
lrwxrwxrwx 1 root gpio    0 10월  1 15:25 gpiochip0 ->
../../devices/platform/soc/3f200000.gpio/gpio/gpiochip0
lrwxrwxrwx 1 root gpio    0 10월  1 15:25 gpiochip100 ->
../../devices/platform/soc/soc:virtgpio/gpio/gpiochip100
-rwxrwx--- 1 root gpio 4096 10월  2 10:44 unexport

root@raspberrypi:/sys/class/gpio# echo out > /sys/class/gpio/gpio17/direction
root@raspberrypi:/sys/class/gpio# echo 1 > /sys/class/gpio/gpio17/value
```

[1] Ref : http://bluexmas.tistory.com/454 RaspberryPI - GPIO로 LED 켜고 끄기 OS/Raspberry Pi 2015.08.13 23:55 Posted by 파란크리스마스

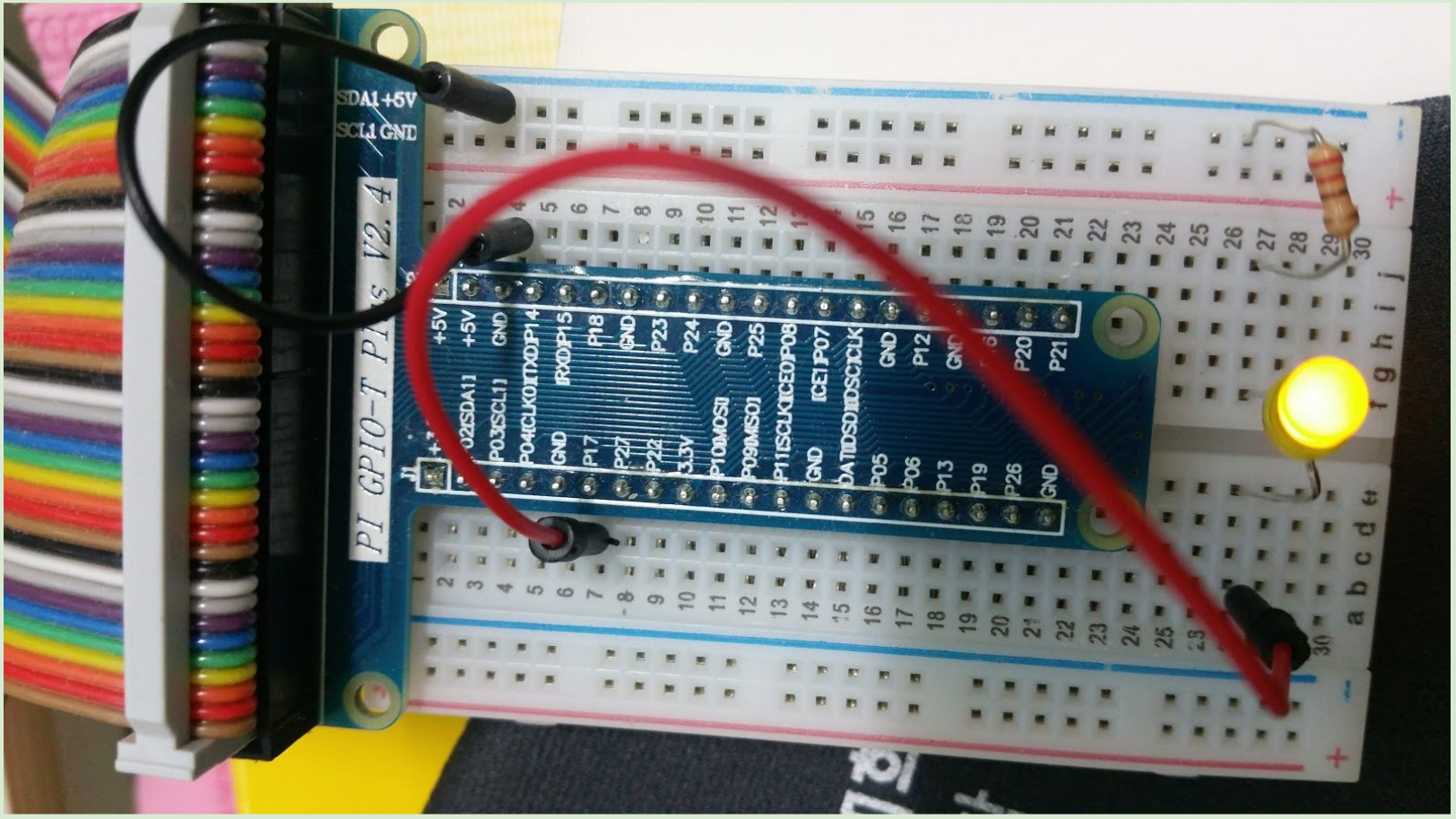
RaspberryPi3 :: Java :: Lec_JavaRasPi3_0140 :: Ch01011_ManualLedOnOffOnRaspberryPi3

```
root@raspberrypi:/sys/class/gpio# echo 0 > /sys/class/gpio/gpio17/value

root@raspberrypi:/sys/class/gpio# echo 17 > /sys/class/gpio/unexport

root@raspberrypi:/sys/class/gpio# ls -l
합계 0
-rwxrwx--- 1 root gpio 4096 10월  2 11:11 export
lrwxrwxrwx 1 root gpio    0 10월  1 15:25 gpiochip0 ->
../../devices/platform/soc/3f200000.gpio/gpio/gpiochip0
lrwxrwxrwx 1 root gpio    0 10월  1 15:25 gpiochip100 ->
../../devices/platform/soc/soc:virtgpio/gpio/gpiochip100
-rwxrwx--- 1 root gpio 4096 10월  2 11:14 unexport
```

RaspberryPi3 :: Java :: Lec_JavaRasPi3_0140 :: Ch01011_ManualLedOnOffOnRaspberryPi3

03. Java File :

04. Result Image :