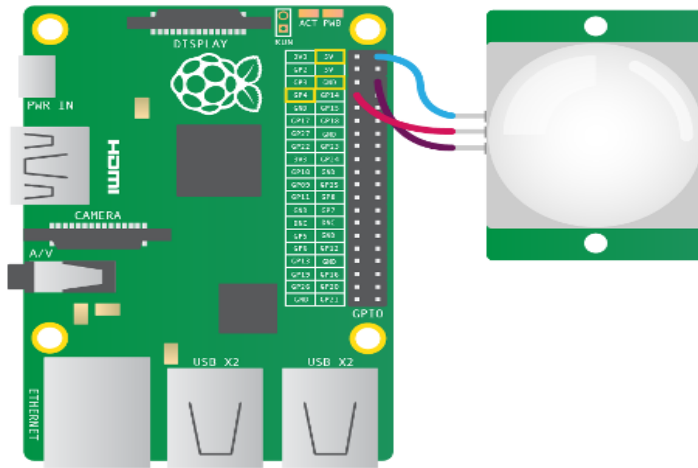


## Experiment# PIR Motion Sensor with Raspberrypi

Hardware Connection =Vcc=2,GND=6, Board PIN=11



Raspberry Pi2 GPIO Header			
Pin#	NAME		NAME Pin#
01	3.3v DC Power		DC Power 5v 02
03	GPIO02 (SDA1 , I2C)		DC Power 5v 04
05	GPIO03 (SCL1 , I2C)		Ground 06
07	GPIO04 (GPIO_GCLK)		(TXD0) GPIO14 08
09	Ground		(RXD0) GPIO15 10
11	GPIO17 (GPIO_GEN0)		(GPIO_GEN1) GPIO18 12
13	GPIO27 (GPIO_GEN2)		Ground 14
15	GPIO22 (GPIO_GEN3)		(GPIO_GEN4) GPIO23 16
17	3.3v DC Power		(GPIO_GEN5) GPIO24 18
19	GPIO10 (SPI_MOSI)		Ground 20
21	GPIO09 (SPI_MISO)		(GPIO_GEN6) GPIO25 22
23	GPIO11 (SPI_CLK)		(SPI_CE0_N) GPIO08 24
25	Ground		(SPI_CE1_N) GPIO07 26
27	ID_SD (PC ID EEPROM)		(PC ID EEPROM) ID_SC 28
29	GPIO05		Ground 30
31	GPIO06		GPIO12 32
33	GPIO13		Ground 34
35	GPIO19		GPIO16 36
37	GPIO26		GPIO20 38
39	Ground		GPIO21 40

Code:

```
import RPi.GPIO as GPIO
import time
import subprocess
GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOARD)
GPIO.setup(11, GPIO.IN) # board pin 11
while True:
    i=GPIO.input(11)
    if i==0:
        print("Not Sensing Motion",i)
        time.sleep(5)
    elif i==1:
        print("Motion Detected",i)
        time.sleep(5)
```