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| --- |
| import RPi.GPIO as GPIO #Import GPIO library |
|  |  | import time #Import time library |
|  |  | #import led |
|  |  |  |
|  |  | class motion: |
|  |  | sensorStatus = "2" |
|  |  | def setstatus(self): |
|  |  | try: |
|  |  | #self.sensorStatus = str(GPIO.input(self.FlamePin)) |
|  |  | f = open("motion.txt","w") |
|  |  | f.write(self.sensorStatus) |
|  |  | #print("Try : ",self.sensorStatus) |
|  |  | #if self.sensorStatus == "motion1": |
|  |  | # f.close() |
|  |  | # time.sleep(2) |
|  |  | # f = open("trial.txt","w") |
|  |  | # f.write(" ") |
|  |  | except: |
|  |  | #self.sensorStatus = str(self.sensorStatus()) |
|  |  | f = open("motion.txt","w") |
|  |  | f.write(self.sensorStatus) |
|  |  | print("Except : ",self.sensorStatus) |
|  |  | #if self.sensorStatus == "motion1": |
|  |  | # f.close() |
|  |  | # time.sleep(2) |
|  |  | # f = open("trial.txt","w") |
|  |  | # f.write(" ") |
|  |  | finally: |
|  |  | f.close() |
|  |  |  |
|  |  | def \_\_init\_\_(self,pir,red,green): |
|  |  | GPIO.setmode(GPIO.BOARD) #Set GPIO pin numbering |
|  |  | GPIO.setup(pir, GPIO.IN) #Set pin as GPIO IN |
|  |  | print ("Waiting for sensor to settle") |
|  |  | time.sleep(0.2) #Waiting for 2 Milli Seconds |
|  |  | print ("Detecting motion") |
|  |  | for i in range(0,665): |
|  |  | print(i) |
|  |  | if GPIO.input(pir): #Check whether pir is HIGH |
|  |  | print ("Motion Detected!") |
|  |  | break |
|  |  | time.sleep(0.1) #While loop delay should be less than detection(hardware) delay |
|  |  |  |
|  |  | #motion(33,3,5) |