ASSIGNMENT 3 : counter

JED-I

Group E14

# To make a counter using an LDR which glows an ...

# led when an object passes in front of it and ...

# also tallies a count which is displayed as soon ...

# as it recieves a keboard interrupt .

import time

import Adafruit\_ADS1x15

import wiringpi as wp

led=18

count=0

GAIN=1

def setup():

adc=Adafruit\_ADS1x15.ADS1115()

wp.wiringPiSetupGpio()

wp.pinMode(led,1)

def count\_func():

while True:

wp.digitalWrite(led,0)

value=adc.read\_adc(0,gain=1)

if value<9000:

wp.digitalWrite(led,1)

while value<9000:

value=adc.read\_adc(0,gain=1)

time.sleep(0.5)

count+=1

time.sleep(0.5)

if \_\_name\_\_ == '\_\_main\_\_' :

setup()

try:

count\_func()

except KeyboardInterrupt:

wp.digitalWrite(led,0)

print count

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