#!/usr/bin/python

import spidev

import time

#Define Variables

delay = 0.5

pad\_channel = 0

#Create SPI

spi = spidev.SpiDev()

spi.open(0, 0)

spi.max\_speed\_hz=1000000

def readadc(adcnum):

# read SPI data from the MCP3008, 8 channels in total

if adcnum > 7 or adcnum < 0:

return -1

r = spi.xfer2([1, 8 + adcnum << 4, 0])

data = ((r[1] & 3) << 8) + r[2]

return data

try:

while True:

pad\_value = readadc(pad\_channel)

print("---------------------------------------")

print("Pressure Pad Value: %d" % pad\_value)

time.sleep(delay)

except KeyboardInterrupt:

pass