BUZZER PROGRAM:

import sys

sys.path.append('/home/pi/Adafruit-Raspberry-Pi-Python-Codelegacy/Adafruit\_CircuitPython\_MCP230xx-main') # LIBRARY

import time

import board

import busio

from digitalio import Direction, Pull

from adafruit\_mcp230xx.mcp23017 import MCP23017

i2c = busio.I2C(board.SCL, board.SDA)

mcp = MCP23017(i2c)

mcp = MCP23017(i2c, address=0x20) # MCP23017 I2C Address

# Make a list of all the port A pins

PortA = [ ]

for pin in range(0, 8):

PortA.append(mcp.get\_pin(pin))

# Make a list of all the port B pins

PortB = [ ]

for pin in range(8, 16):

PortB.append(mcp.get\_pin(pin))

#Clearing all the Port Pins

for pin in range(0,8):

PortA[pin].value=False

for pin in range(0,8):

PortB[pin].value=False

PortB[3].direction = Direction.OUTPUT # BUZZER CONNECTED PIN AS OUTPUT

try:

while True:

PortB[3].value = True

print("BUZZER ON")

time.sleep(5) # 1 minute time delay

PortB[3].value = False

print("BUZZER OFF")

time.sleep(2)

except KeyboardInterrupt: # CLEAR THE PINS press Cntrl+C

for pin in range(0,8):

PortA[pin].value=False

for pin in range(0,8):

PortB[pin].value=False