#!/usr/bin/env python

import sys

import urllib.request

from time import sleep

from urllib.request import urlopen, Request

import json,time

import RPi.GPIO as GPIO

GPIO.setmode(GPIO.BOARD)

GPIO.setup(40, GPIO.OUT)

# Enter Your API key here

myAPI =’xxxxxxxxxxxxxxxxxxxxx'

# URL where we will send the data, Don't change it

baseURL = 'https://api.thingspeak.com/update?api\_key=%s' % myAPI

def DHT22\_data():

# Reading from DHT22 and storing the temperature and humidity

humi=30

temp=39

return humi, temp

while True:

humi,temp=DHT22\_data()

humi = '%.2f' % humi

temp = '%.2f' % temp

conn = urllib.request.urlopen(baseURL + '&field1=%s&field2=%s' % (temp, humi))

print(conn.read())

conn.close()

request = Request('https://api.thingspeak.com/talkbacks/34219/commands/execute?api\_key=1EWYOY2VIOI43VGJ')

response = urllib.request.urlopen(request)

command = response.read()

command = command.decode()

command = command

print(command)

if command == 'TURN\_ON':

GPIO.output(40,1)

if command == 'TURN\_OFF':

GPIO.output(40,0)

time.sleep(5)