Raspberry pi single led

Import requests

Import RPi.GPIO as GPIO Import time

# Channel ID and Read API Key Channel\_id = “your\_channel\_id”

Read\_api\_key = “your\_read\_api\_key”

# LED Pin

Led\_pin = 18

# GPIO setup GPIO.setmode(GPIO.BCM)

GPIO.setup(led\_pin, GPIO.OUT)

# ThingSpeak URL url =

f[https://api.thingspeak.com/channels/{channel\_id}/fields/1/last.json?api\_key={read\_api\_k](https://api.thingspeak.com/channels/%7bchannel_id%7d/fields/1/last.json?api_key=%7bread_api_key%7d) [ey}](https://api.thingspeak.com/channels/%7bchannel_id%7d/fields/1/last.json?api_key=%7bread_api_key%7d)

try:

while True:

response = requests.get(url)

if response.status\_code == 200:

led\_state = int(response.json()[“field1”]) if led\_state:

GPIO.output(led\_pin, GPIO.HIGH) Else:

GPIO.output(led\_pin, GPIO.LOW) Else:

Print(“Error loading data from ThingSpeak”)

Time.sleep(15) # Wait for 15 seconds before checking again

Except KeyboardInterrupt: GPIO.cleanup()

Import requests

Import RPi.GPIO as GPIO Import time

Raspberry Pi multiple led

# Channel ID and Read API Key Channel\_id = “your\_channel\_id”

Read\_api\_key = “your\_read\_api\_key”

# LED Pins

Led\_pins = [18, 23, 24]

# GPIO setup GPIO.setmode(GPIO.BCM) For led\_pin in led\_pins:

GPIO.setup(led\_pin, GPIO.OUT)

# ThingSpeak URL base

url\_base = f[https://api.thingspeak.com/channels/{channel\_id}/fields/](https://api.thingspeak.com/channels/%7bchannel_id%7d/fields/)

try:

while True:

for i, led\_pin in enumerate(led\_pins):

# Construct the URL for the current field

url = f”{url\_base}{i+1}/last.json?api\_key={read\_api\_key}”

response = requests.get(url)

if response.status\_code == 200:

led\_state = int(response.json().get(“field” + str(i + 1), 0)) if led\_state:

GPIO.output(led\_pin, GPIO.HIGH) Else:

GPIO.output(led\_pin, GPIO.LOW) Else:

Print(f”Error loading data from ThingSpeak for field {i+1}”)

Time.sleep(15) # Wait for 15 seconds before checking again

Except KeyboardInterrupt: GPIO.cleanup()