Phase3:Environmental Monitoring based on IOT

print("Environmental Monitoring")

#import BlynkLib

from machine import Pin

from time import sleep

import dht

import time

sensor = dht.DHT22(Pin(14))

#sensor = dht.DHT11(Pin(14))

while True:

    sensor.measure()

    temp = sensor.temperature()

    hum = sensor.humidity()

    #temp\_f = temp \* (9/5) + 32.0

    print('Temperature: %3.1f C' %temp)

    #print('Temperature: %3.1f F' %temp\_f)

    print('Humidity: %3.1f %%' %hum)

    time.sleep(1)

OUTPUT:

st:0x1 (POWERON\_RESET),boot:0x13 (SPI\_FAST\_FLASH\_BOOT)

configsip: 0, SPIWP:0xee

clk\_drv:0x00,q\_drv:0x00,d\_drv:0x00,cs0\_drv:0x00,hd\_drv:0x00,wp\_drv:0x00

mode:DIO, clock div:2

load:0x3fff0030,len:4728

load:0x40078000,len:14876

ho 0 tail 12 room 4

load:0x40080400,len:3368

entry 0x400805cc

Environmental Monitoring

Temperature: 10.3 C

Humidity: 53.0 %

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Humidity: 53.0 %