```
#include <Adafruit_DHT.h>

DHT dht(A0, DHT11);


int led = D7; //LED on board


void setup() {


  pinMode(led, OUTPUT);


  dht.begin();


}

void loop() {


    digitalWrite(led, HIGH);   // Turn ON the LED



    float temp = dht.getTempCelcius(); //read temperature as celcius


    Particle.publish("temp", String(temp), PRIVATE);


    digitalWrite(led, LOW);    // Turn OFF the LED


  delay(30000);          // Wait for 30 seconds


}
```