**Temperature Cup Code**

#include <math.h>

const int PULLUP\_RES = 20000; // in Ohm( 20kOm )

const double BETA = 4390; // in K for Semitec 104 GTA-2

const double TEMPERATURE\_RES = 100000; // in Ohm

const double TEMPERATURE\_NOM\_TEMP = 25; // Celsius, C

void setup()

{

}

void loop()

{

thermister\_temp(analogRead(4));

delay(1000);

}

void thermister\_temp(int aval)

{

double R, T;

R = (double) PULLUP\_RES / ( (4095 / (double) aval ) - 1 );

T = 1 / ( ( 1 / (TEMPERATURE\_NOM\_TEMP + 273.15 )) + ( ( 1 / BETA) \* log ( R / TEMPERATURE\_RES ) ) );

T -= 273.15; // converting to C from K

// return degrees C

Spark.publish("Temperature's Cup", String(T) + " °C");

}

**Token for Tropo!**

{

"eventName": "sendSMS",

"event": "sendSMS",

"url": "https://api.tropo.com/1.0/sessions",

"requestType": "POST",

"headers": {"accept":"application/json"},

"query": {

"action": "create",

"token": "6e6a7046635a4e576b55424d6f616f5567694d76475346755643704c51456e7861786a6c7a52666642437174 ",

"number": "{{n}}",

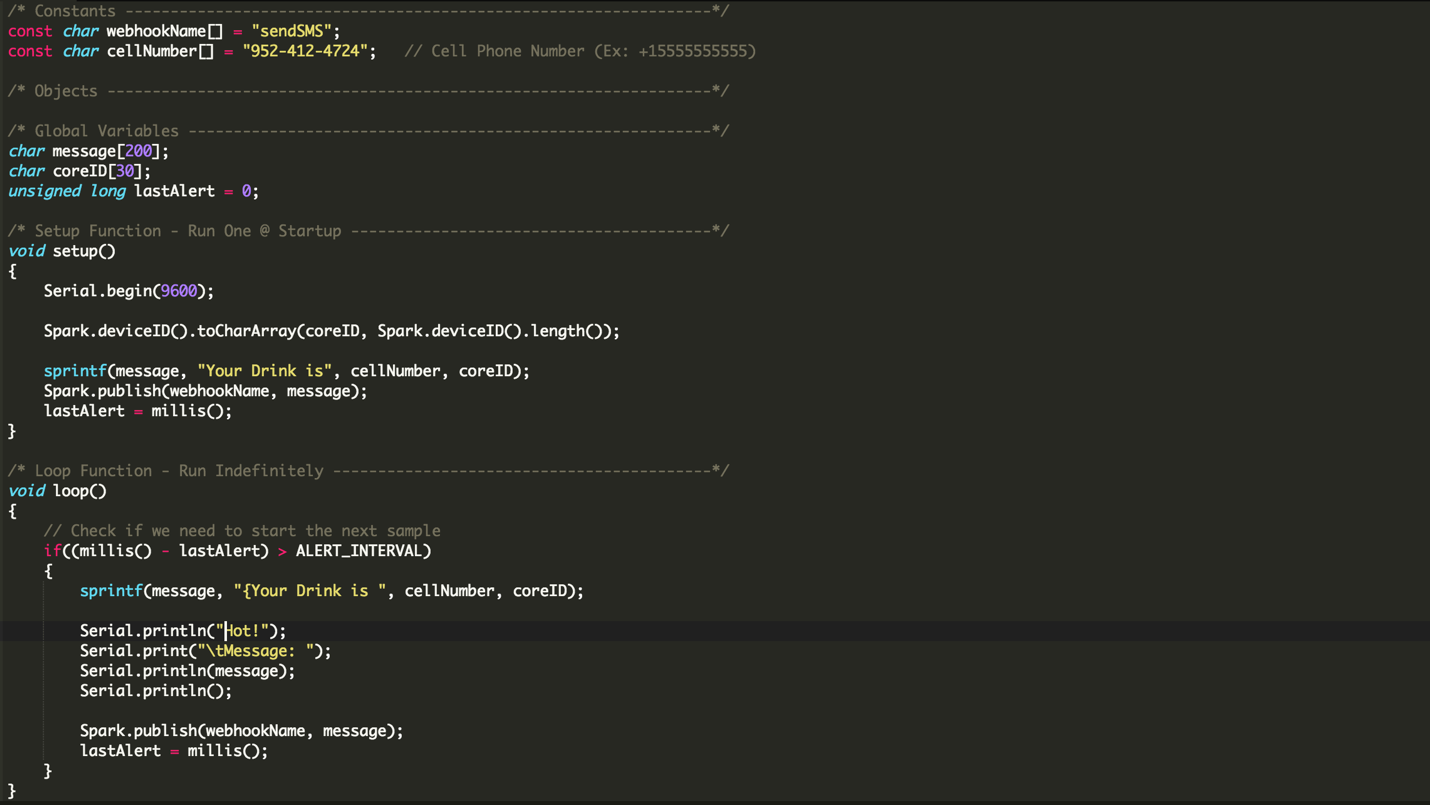
"message": "{{m}}"

},

"mydevices": true

}

**SMS from Particle**

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