int sensorPin = 0;

void setup()

{

Serial.begin(9600);

}

void loop()

{

int reading = analogRead(sensorPin);

// measure the 5v with a meter for an accurate value

//In particular if your Arduino is USB powered

float voltage = reading \* 4.68;

voltage /= 1024.0;

// now print out the temperature

float temperatureC = (voltage - 0.5) \* 100;

Serial.print(temperatureC);

Serial.println(" degrees C");

delay(1000);

}