int val;

int tempPin = 0;

float tfmax;

float tfmin = 100;

void setup()

{

Serial.begin(9600);

}

void loop()

{

val = analogRead(tempPin);

float mv = ( val/1024.0)\*500;

float cel = mv;

float farh = (cel\*9)/5 + 32;

// Serial.print("TEMPRATURE = ");

// Serial.print(cel);

// Serial.print("\*C");

// Serial.println();

// delay(1000);

if (farh > tfmax)

{

tfmax = farh;

}

if (farh < tfmin)

{

tfmin = farh;

}

Serial.print("TEMPRATURE = ");

Serial.print(farh);

Serial.print("\*F");

Serial.println();

Serial.print("Max Temp:");

Serial.print(tfmax);

Serial.println();

Serial.print("Min Temp:");

Serial.print(tfmin);

Serial.println();

Serial.println();

delay(2000);

}