Arduino with LM35(Temp Sensor)

const int sensor=A0;

float vin;

float tempc;

void setup()

{

pinMode(sensor, INPUT);

Serial.begin(9600);

delay(500);

}

void loop(){

vin=analogRead(sensor);

Serial.print("Digital value= ");

Serial.print(vin);

Serial.print("\n");

tempc=(vin\*500)/1023;

Serial.print("in Degree C = ");

Serial.print(tempc);

delay(1000);

Serial.print("\n");

}