char degree=176;

const int sensor=A1;

void setup()

{

pinMode(sensor, INPUT);

pinMode(13, OUTPUT);

Serial.begin(9600);

pinMode(7,OUTPUT);

pinMode(13,OUTPUT);

pinMode(6,OUTPUT);

}

void loop()

{

int tmp = analogRead(sensor);

float voltage = (tmp \* 5.0)/1024;

float milliVolt = voltage \* 1000;

float tmpCel = (milliVolt-500)/10 ;

Serial.print("Celsius: ");

Serial.print(tmpCel);

Serial.println(degree);

delay(1000);

if(tmpCel<40)

{

digitalWrite(7, HIGH);

delay(1000);

digitalWrite(7,LOW);

delay(1000);

}

else if(tmpCel>40 && tmpCel<200)

{

digitalWrite(13, HIGH);

delay(1000);

digitalWrite(13,LOW);

delay(1000);

}

else if(tmpCel>200)

{

digitalWrite(6, HIGH);

delay(1000);

digitalWrite(6,LOW);

delay(1000);

}

else{

digitalWrite(13,LOW);

}

}