**SPRINT 1**

void setup()

{

Serial.begin(9600);

pinMode(A2,INPUT);

pinMode(12,OUTPUT);

}

void loop()

{

double data=analogRead(A2);

double n=data/1024;

Serial.print(" Converted Analog data: ");

Serial.println(n);

double volt=n\*5;

Serial.print(" Voltage data: ");

Serial.println(volt);

double off=volt-0.5;

Serial.print("After offset data: ");

Serial.println(off);

double temperature=off\*100;

Serial.print("Temperature data: ");

if(temperature>=60){

Serial.println(temperature);

tone(12,temperature);

delay(1000);}

else{

noTone(12);

}

}

