**PROGRAM :**

void setup() {

Serial.begin(9600);

pinMode(13,INPUT); //PIR

pinMode(12,OUTPUT); //PIEZO

}

void loop() {

double data=analogRead(A2);

double n=data/1024;

double volt=n\*5;

double off=volt-0.5;

double temperature =off\*100;

Serial.print("temperature data:");

Serial.println(temperature);

if(temperature>60)

{

tone(12,1000);

}

else

{

noTone(12);

}

int motion=digitalRead(13);

if(motion==1)

{

Serial.println("motion detected");

tone(12,5000);

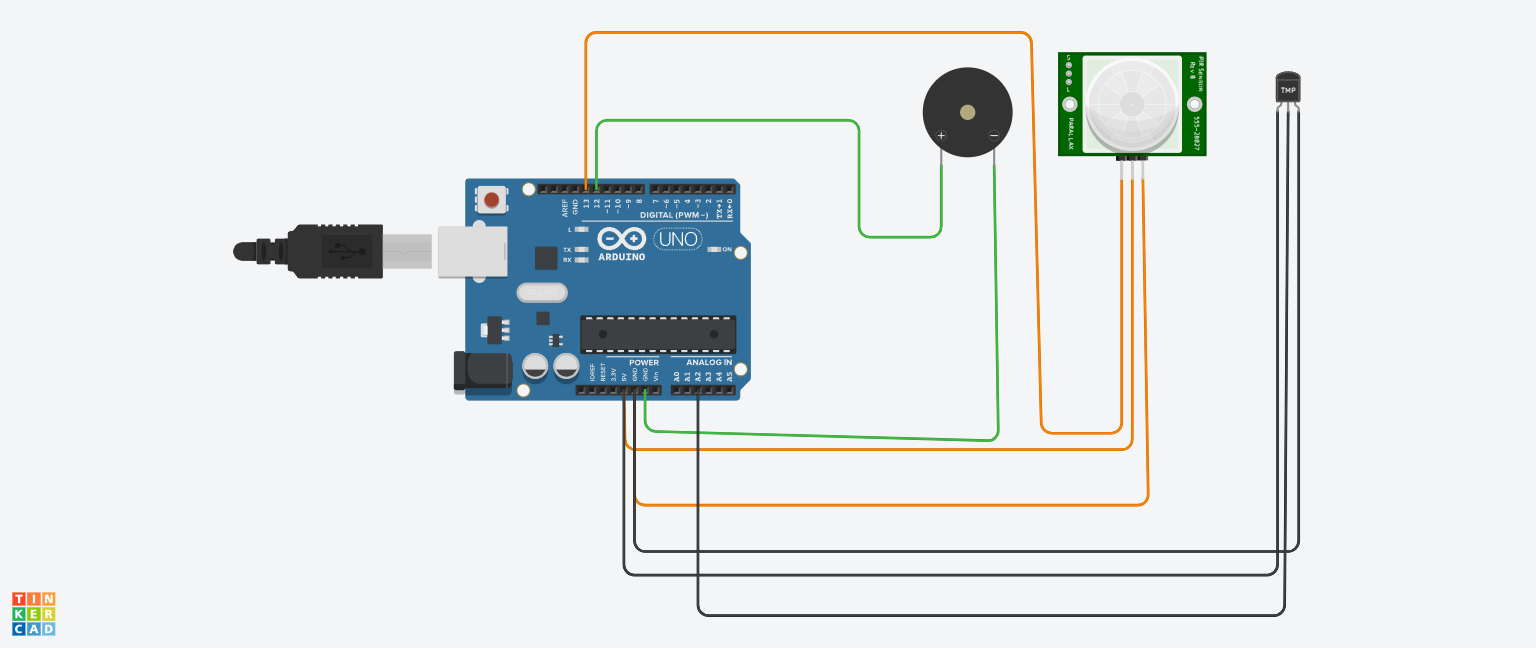
}

else {

Serial.println("no motion");

noTone(12); } }

**CIRCUIT DIAGRAM**

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