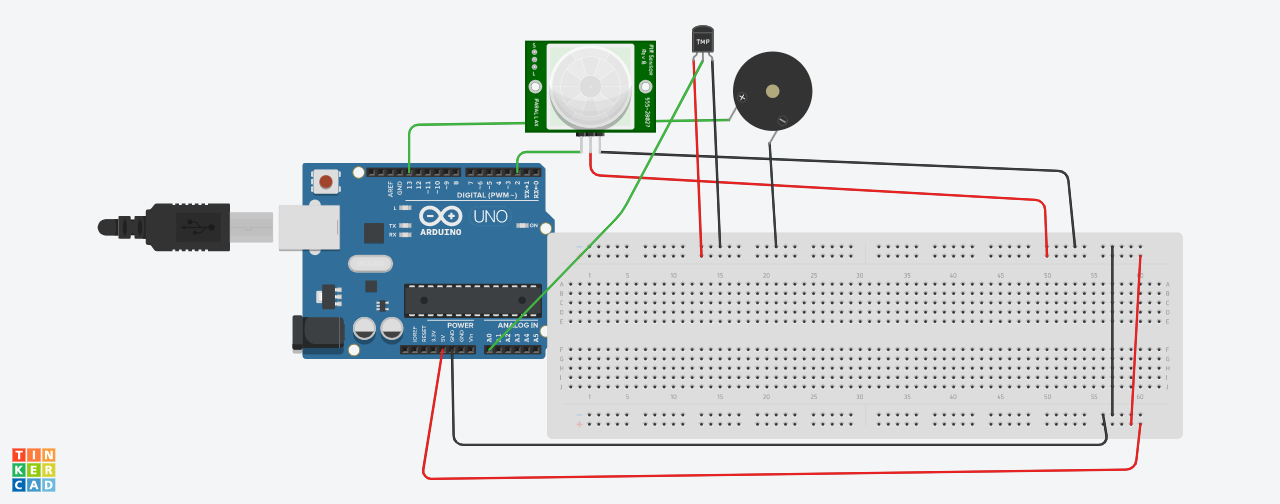
**Assignment-1**

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**CODE:**

int pinSensor =2;

int pinBuzzer =13;

int pirSensor =0;

float sensor=A0;

float analog;

float tempv;

float tempc;

float tempf;

void setup()

{

pinMode(pinSensor, INPUT);

pinMode(sensor, INPUT);

pinMode(pinBuzzer, OUTPUT);

Serial.begin(9600);

}

void loop()

{

analog=analogRead(sensor);

tempv=analog\*5.0/1023;

tempc=(tempv-0.5)\*100.0;

tempf=((tempc\*9.0)/5.0)+32.0;

Serial.print("temperature:");

Serial.println(tempc);

if (tempc >=60)

{

tone(pinBuzzer, 200, 100);

}

delay(100);

pirSensor = digitalRead(pinSensor);

if (pirSensor == HIGH)

{

tone(pinBuzzer, 1000, 500);

}

delay(100);

}