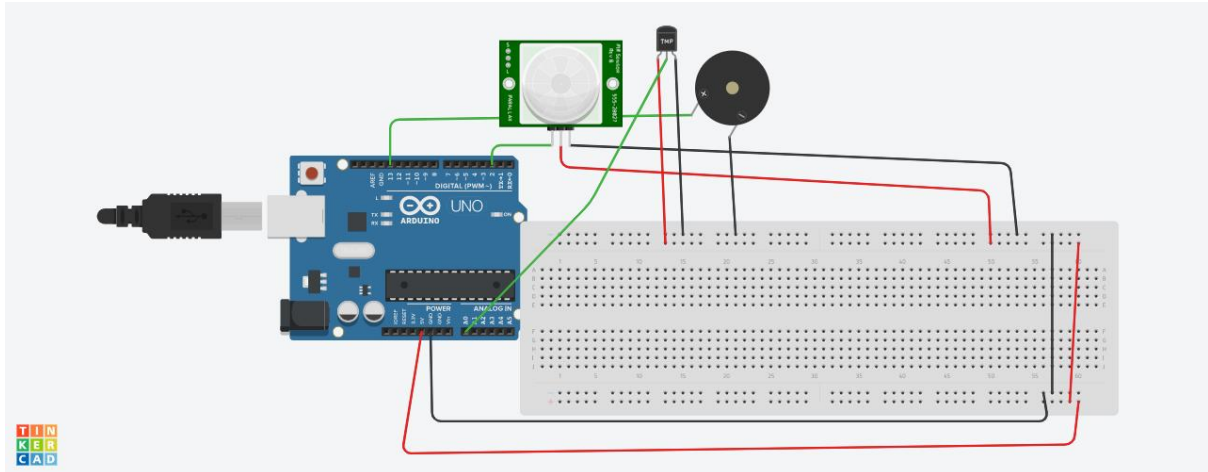# Assignment-1

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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);
}
```