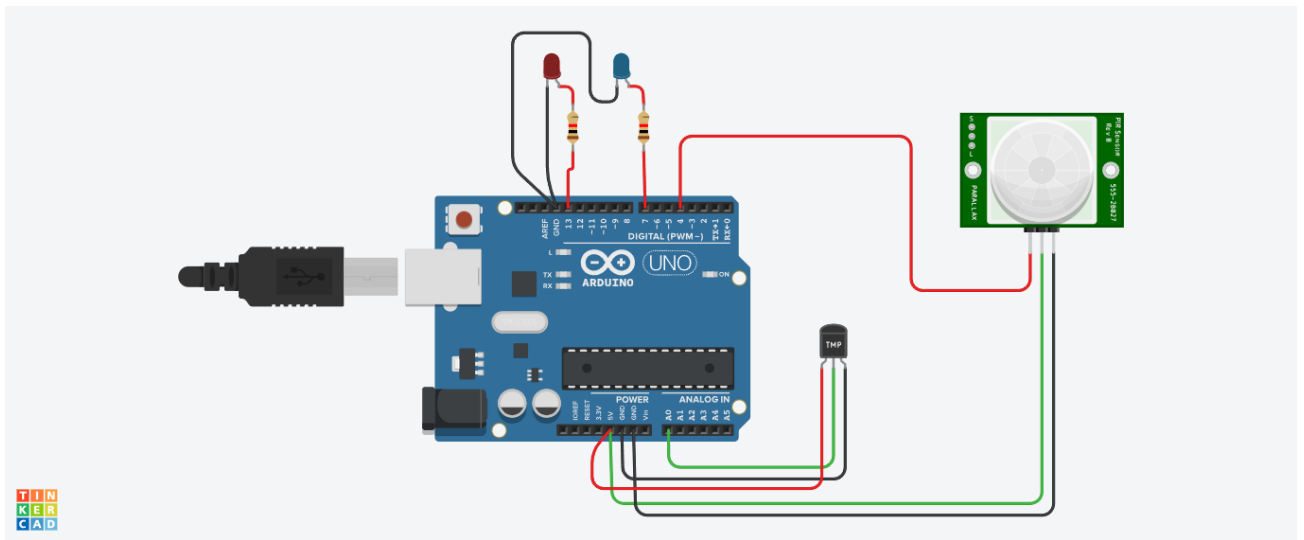


# ASSIGNMENT-I

Qn:

Build a small application using PIR sensor, tmp36(temperature sensor) and a Piezo allowance, when temperature increases more than 60 centigrades, wanted to alarm from piezo and whenever a motion near PIR sensor, need another alarm with two different frequencies.



Code:

```
void setup()
{
  Serial.begin(9600);
  pinMode(4,INPUT);
  pinMode(8,OUTPUT);
  pinMode(13,OUTPUT);
```

```
}  
void loop()  
{  
  int p=digitalRead(4);  
  Serial.println(p);  
  if(p)  
  {  
    digitalWrite(13,1);  
    Serial.println("motion detected");  
  }  
  delay(1000);  
  double a=analogRead(A0);  
  double t=((a/1024)*5)-0.5)*100;  
  
  Serial.println(t);  
  if(t>60)  
  {  
    digitalWrite(8,1);  
    Serial.println("temperature greater than 60 ");  
    delay(1000);  
  }  
}
```