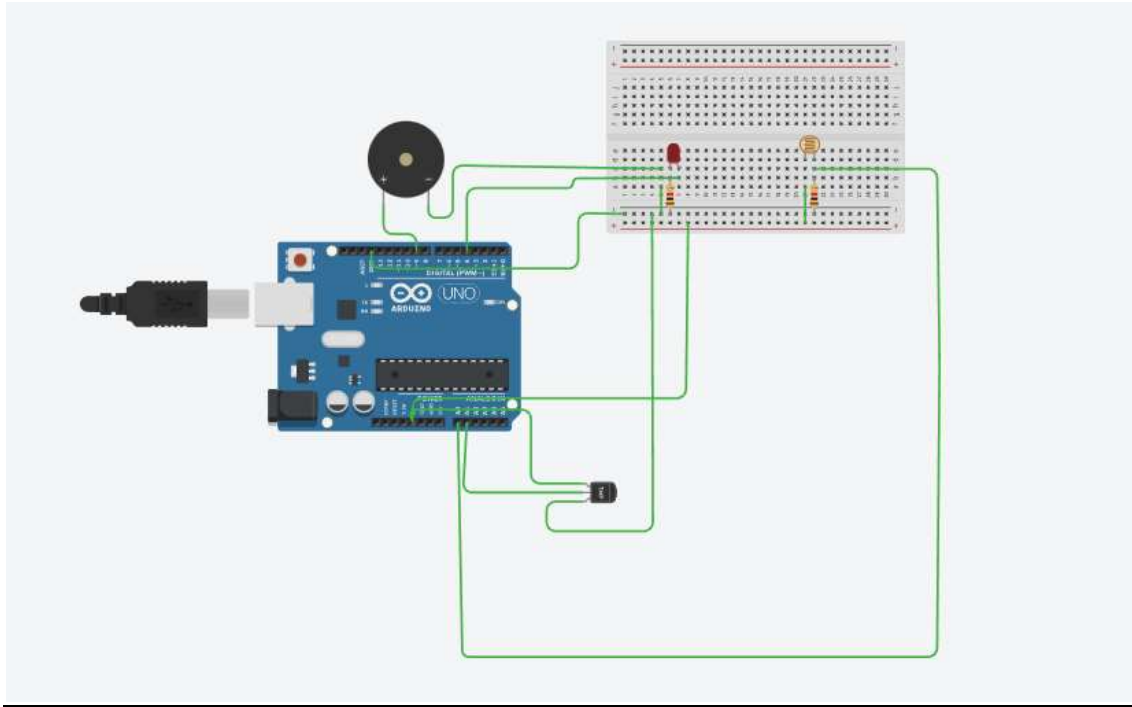


ASSIGNMENT 1

Task: Make a Smart Home in Tinkercad, using 2 + sensors, Led, Buzzer in single code and circuit.

CIRCUIT



Code:

```
double Lval = 0;
double Tval = 0;
void setup()
{
  pinMode(4, OUTPUT);
  pinMode(9, OUTPUT);
  pinMode(A0, INPUT);
  pinMode(A1, INPUT);
  Serial.begin(9600);
}
```

```
void loop()
{
    Lval = analogRead(A0);
    Tval = analogRead(A1);
    Serial.println(Lval);
    Serial.println(Tval);

    if(Lval > 50)
    {
        digitalWrite(4,LOW);
        delay(1000);
    }
    else
    {

        digitalWrite(4,HIGH);
        delay(1000);
    }
    if(Tval > 50)
    {
        digitalWrite(9,HIGH);
        delay(1000);
    }
    else
    {

        digitalWrite(9,LOW);
        delay(1000);
    }
    delay(1000);
}
```