Assignment -1

Assignment Date	13 September 2022
Student Name	Udhayasankar V.
Student Roll Number	611219106080
Maximum Marks	2 Marks

Question-1:

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

Solution:

```
void setup()
{
pinMode(7, OUTPUT);
Serial.begin(9600);
pinMode(8,OUTPUT);
pinMode(2,OUTPUT);
}
void loop()
{
double a=analogRead(A0);
Serial.print("Adc Value:");
Serial.println(a);
double v= a/1024;
double tvolt= v*5;
Serial.print("temp value voltage:");
Serial.println(tvolt);
delay(1000);
double o = tvolt - 0.5;
double t= o*100;
Serial.print("Temperature is :");
Serial.println(t);
delay(1000);
if (t>=30)
{
digitalWrite(7,HIGH);
delay(1000);
}
else
{
digitalWrite(7,LOW);
delay(1000);
}
```

Circuit :