Assignment -1
Tinker Cad Circuit

Assignment Date	12 September 2022
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Maximum Marks	2 Marks

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

Solution:

```
# define GREEN 2
# define ORANGE 3
# define RED 4
# define Buzzer 5
# define Gas_SENSOR A0

void setup()
{
  pinMode(2, OUTPUT);
  pinMode(3, OUTPUT);
  pinMode(4, OUTPUT);
  pinMode(5, OUTPUT);
  Serial.begin(9600);

}

void loop()
{
  digitalWrite(2, LOW);
  digitalWrite(3, LOW);
  digitalWrite(4, LOW);
  digitalWrite(5, LOW);

  int sensor_In = analogRead(A0);
  Serial.println(sensor_In);
  delay(500);
  if(sensor_In>=45){
        digitalWrite(RED, HIGH);
    digitalWrite(Buzzer, HIGH);
  }
  else if(sensor_In>=30){
        digitalWrite(ORANGE, HIGH);
  }
  else{
        digitalWrite(GREEN, HIGH);
  }

}
```