Assignment -1
Tinkercad

Assignment Date	15 september 2022
Student Name	VARUN RAJ K
Student Roll Number	621319106317
Maximum Marks	2 Marks

Question-1:

Home automation using tinkercad

Solution:

```
void setup()

{

  Serial.begin(9600);

  pinMode(13, OUTPUT);

  pinMode(12,OUTPUT);

}


void loop()

{

  int a=analogRead(A0);

  Serial.println(a);

  if(a>500)

    digitalWrite(13,HIGH);

  else

    digitalWrite(13,LOW);

  double b=analogRead(A1);

  double t=((((b/1024)*5)-0.5)*100);

  Serial.print("temp value:");

  Serial.println(t);

  if(t>23)

    digitalWrite(12,HIGH);

  else

    digitalWrite(12,LOW);
```

}