Assignment -1

Assignment Date	13 September 2022
Student Name	SATHISHKUMAR G
Student Roll Number	110319106040

Question :

Build a smart home in Thinkercad with 2 sensors, an Led, buzzer and submit it.

CODE:

```
#include<Servo.h>
Servo S;
void setup()
{
  Serial.begin(9600);
  pinMode(13,OUTPUT);
  pinMode(7,INPUT);
  pinMode(A5,INPUT);
  S.attach(9);
}

void loop()
{
  double sensorValue = analogRead(A5);
  sensorValue = (((sensorValue/1024)*5)-0.5)*100;
  Serial.print("Temperature--->");
  Serial.println(sensorValue);
  int a = digitalRead(7);
  //Serial.println(a);
```

```
if(a==HIGH)

{

digitalWrite(13,HIGH);

S.write(90);

delay(50);

}

else if (a==LOW)

{

digitalWrite(13,LOW);

S.write(0);

delay(50);

}

}
```

OUTPUT: