Assignment -1
Tinkercad

Assignment Date	19 September 2022
Student Name	S. Poonthamilan
Student Roll Number	812419106033
Maximum Marks	2 Marks

Question-1:

Build a smart home in tinkercad Use atleast 2 sensors, led, buzzer in a circuit. Simulate in a single code.

Solution:

```
int pinSensor =2;

int pinLed =12;

int pinBuzzer =13;

int prinSensor =0;

 void setup()

{

 pinMode (pinSensor, INPUT);

 pinMode (pinLed, OUTPUT);

 pinMode (pinBuzzer, OUTPUT);


}
void loop()

{

pinSensor = digitalRead(pinSensor);

if (pinSensor == HIGH)
```

```
  {
    digitalWrite(pinLed,

    HIGH);

    tone(pinBuzzer, 1000,

    500);

  }

  Else

{
 digitalWrite(pinLed, LOW);

 }

  delay(10);

 }
```