Assignment -1
HOME AUTOMATION

Assignment Date	19 September 2022
Student Name	MAHASHREE S
Student Roll Number	621319106050
Maximum Marks	2 Marks

Question-1: smart home automation designs provide an unprecedented level of comfort and convenience in Melbourne homes, delivering you a personalised and innovative room experience.

Solution:

```
#include<Servo.h>
Servo  myservo;
int led=6;
int pir=2;
void setup()
{
  Serial.begin(9600);
  pinMode(pir,INPUT);

pinMode(led,OUTPUT);
  myservo.attach(9);
}
void loop()
{
  int
val=digitalRead(pir);
Serial.println(val);
if(val==HIGH)
  {

digitalWrite(led,HIGH);
    myservo.write(70);
    }
else
{

digitalWrite(led,LOW);
  myservo.write(10);
}
}
```

Sizzling Snicket

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Components
Basic

Search

Resistor	LED	Pushbutton
Potentiometer	Capacitor	Slideswitch
9V Battery	Coin Cell 3V Battery	1.5V Battery

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Sizzling Snicket

All changes saved

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Text | AA ▼ | 1 (Arduino Uno R3)

```
5  void setup()
6  {
7    Serial.begin(9600);
8    pinMode(pir,INPUT);
9    pinMode(led,OUTPUT);
10   myservo.attach(9);
11  }
12  void loop()
13  {
14   int val=digitalRead(pir);
15   Serial.println(val);
16   if(val==HIGH)
17    {
18     digitalWrite(led,HIGH);
19     myservo.write(70);
20    }
21  else
22  {
23   digitalWrite(led,LOW);
24   myservo.write(10);
25  }
26  }
27
28
```