Assignment -1
HOME AUTOMATION

Assignment Date	19 September 2022
Student Name	MANISHA K
Student Roll Number	621319106052
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:

```cpp
#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);
}
}
```

```
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);
}
}
```