

**Assignment -1**  
**HOME AUTOMATION**

Assignment Date	19 September 2022
Student Name	LOGADIPA SP
Student Roll Number	811219104011
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);
  }
}
```

