

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

|                     |                   |
|---------------------|-------------------|
| Assignment Date     | 19 September 2022 |
| Student Name        | LATHA V           |
| Student Roll Number | 621319106048      |
| 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);
}
}
```

