

Assignment 1

Assignment date	19th September 2022
Student name	Mr. P. Sakthi Murugan
Student roll number	73771913162
Maximum marks	2 marks

Question:

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);
}

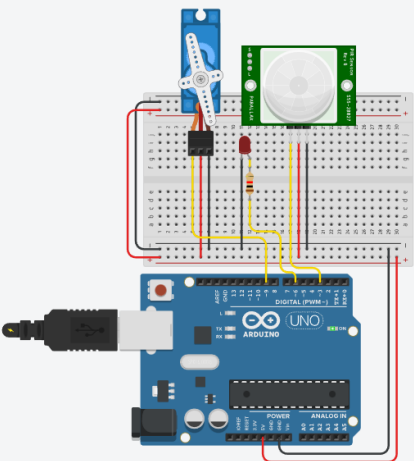
void loop()
{
    int val=digitalRead(pir);
    Serial.println(val);
    if(val==HIGH)
    {
        digitalWrite(led,HIGH);
        myservo.write(70);
    }
}
```

```

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

```

Output:



```

1  #include <Servo.h>
2  Servo myservo;
3  int led=6;
4  int pir=2;
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 }

```

Serial Monitor