Assignment 1

Assignment date	19th September 2022
Student name	Mr. S. Venkatesan
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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);

        }
```
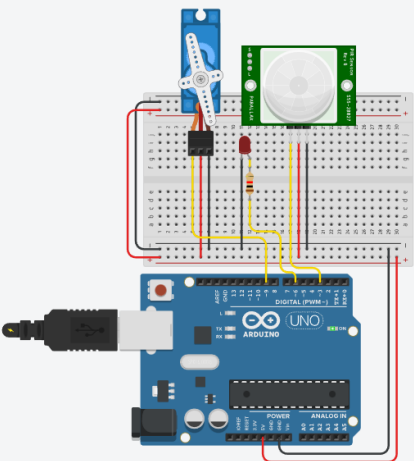
```
        else

        {

                digitalWrite(led,LOW);

                myservo.write(10);

        }

}
```

Output: