

Assignment -1
HOME
AUTOMATION

Assignment Date	19 September 2022
Student Name	Sudharshan subramanian nathan
Student Roll Number	3110191060302
Maximum Marks	2 Marks

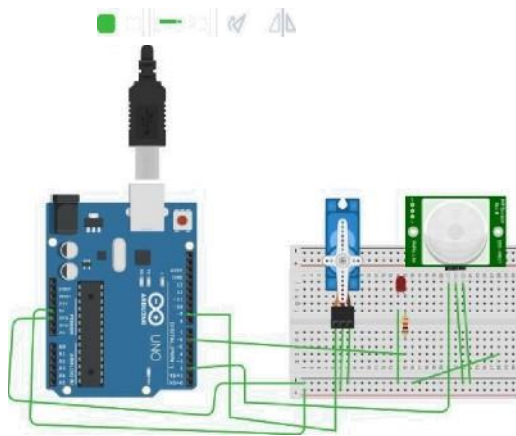
Question-1: smart home automation designs provide an unprecedented level of comfort and convenience in Melbourne homes, delivering you a personalised and innovative room experience.

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);
  }
}
```

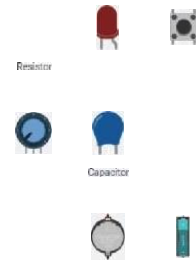
Sizzling Snicket



Save

Code Start Simulation Send To

Components
Basic



Activate Windows

Sizzling Snicket

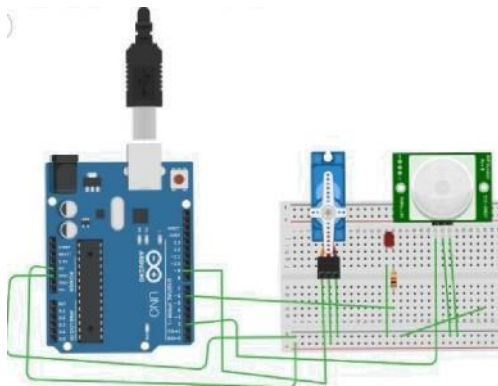


All changes saved

Code Start Simulation Send To

Tea

1 (Arduino Uno R3)



```
11 }  
12 void loop()  
13 {  
14   int val=digitalRead(pir);  
15   Serial.println(val);  
16   if(val==HIGH)  
17   {
```