Assignment -1

Python Programming

Assignment Date	19th September 2022
Student Name	Mr.Ranjith Kumar G
Student Roll Number	73771913158
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);

}

}


```
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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  }
27
```

1 (Arduino Uno R3)