

Assignment -1
Python Programming

Assignment Date	15 September 2022
Student Name	Ms. RUKMANI
Student Roll Number	621319106313
Maximum Marks	2 Marks

Question-1:

HOME AUTOMATION USING TINKERCAD

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);
  }
}
```

