

Assignment - 1

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| Assignment Date | 19 September 2022 |
| Student Name | Mr.B.Anandhakrishnan |
| Student Roll Number | 621319106302 |
| Maximum Marks | 2 Marks |

Home Automation System using Tinkercad

Program :

```
#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);
  }
}
```

Simulation Diagram :

