

## Assignment -1

### Python Programming

Assignment Date	12 September 2022
Student Name	AKSHAYA V T
Student Roll Number	962319104013
Maximum Marks	2 Marks

#### Question-1:

Build an smarthome iot device using an audrino uno microcontroller and attach at least 2 sensors in it .

Solution :

```
#include<Servo.h>
Servo a;

void setup()
{
  pinMode(6, OUTPUT);
  a.attach(6);
}

void loop()
{
  double input = analogRead(A1);
  double t = (((input/1024)*5)-0.5)*100;
  if (analogRead(A0)&&(t>35)){
    a.write(180);

  }
  else{
    a.write(0);
  }
}
```

Components Used :

- 1.Temperature sensor
- 2.Servo motor
- 3.LED
- 4.Photoresistor
- 5.Micro Servo

## Wire Connection:

