

Assignment -1

Assignment Date	17 September 2022
Student Name	Goutham G
Student Roll Number	212219060092
Maximum Marks	2 Marks

Question-1:

Make a smart home with 2-3 sensors,LED,Buzzer in single code and connections.

```
#include<Servo.h>

Servo s;

int led=6;

int pir=2;

int buzz=13;

void setup()

{

    pinMode(pir,INPUT);

    pinMode(led,OUTPUT);

    pinMode(buzz,OUTPUT);

    s.attach(8);

    Serial.begin(9600);

}

void loop()

{

    int val = digitalRead(pir);

    Serial.println(val);

    if(val==HIGH)
```

```
{  
  digitalWrite(led,HIGH);  
  s.write(90);  
  tone(buzz,131);  
}  
else  
{  
  digitalWrite(led,LOW);  
  s.write(0);  
  noTone(buzz);  
}  
delay(10);  
}
```

