

ASSIGNMENT-1

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

Solution:

```
#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);  
}
```

