**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);

}

