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);

}
```