Smoke detector

```
int redLed = 12;
int greenLed = 11;
int buzzer = 10;
int smokeA0 = A5;
// Your threshold value
int sensorThres = 400;
void setup() {
 pinMode(redLed, OUTPUT);
 pinMode(greenLed, OUTPUT);
 pinMode(buzzer, OUTPUT);
 pinMode(smokeA0, INPUT);
  Serial.begin(9600);
void loop() {
  int analogSensor = analogRead(smokeA0);
  Serial.print("Pin A0: ");
  Serial.println(analogSensor);
  // Checks if it has reached the threshold value
  if (analogSensor > sensorThres)
    digitalWrite(redLed, HIGH);
    digitalWrite(greenLed, LOW);
   tone(buzzer, 1000, 200);
  }
  else
    digitalWrite(redLed, LOW);
    digitalWrite(greenLed, HIGH);
   noTone (buzzer);
  delay(100);
```

Bluetooth

```
//#include <Servo.h>
//Servo ser r;
//Servo ser_l;
int led=13;
int data = 0;
int pos = 0;
void setup()
 pinMode(led, OUTPUT);
 digitalWrite(led, LOW);
 Serial.begin(9600);
 //ser_r.attach(9);
 //ser_l.attach(10);
 //ser_r.write(pos);
//ser_l.write(pos);
void loop()
 if(Serial.available()>0)
  data = Serial.read();
  if(data == 'n')
   digitalWrite(led, LOW);
   //ser_r.write(90);
   //delay(50);
   //ser_r.write(pos);
   Serial.println("LED:OFF");
  else if(data == 'b')
   digitalWrite(led, HIGH);
   //ser_l.write(90);
   //delay(50);
   //ser_l.write(pos);
   Serial.println("LED:ON");
```