```
// led lillies control

int relayPinArray[] = {3, 4, 5, 6, 7};
int randomArray[] = {2,7,4,1,8,8,9,5,3,6,2,2,6,5,2,4,5,3,7,2,2,2,8,4,9,9,9,2,5,5};
int analogNoisePin = 1;      // wire connected for random
int randomNoise = 0;         // store the above
int loopCounter = 0;

void setup(){
    int count;
    for (count=0;count<5;count++) {
        pinMode(relayPinArray[count], OUTPUT);
    }
    Serial.begin(9600);

}

void loop() {
    // val = analogRead(analogNoisePin);   // read the input pin
    // simplePattern();
    zzzzBrrBoaBoaBoa();


}

void zzzzBrrBoaBoaBoa(){
    int count;
    Serial.println(loopCounter);

    // for (count=0;count<5;count++) {
        // digitalWrite(relayPinArray[count], HIGH);
        // delay(20);
    // }
    for (count=0;count<5;count++) {
        loopCounter ++;
        digitalWrite(relayPinArray[count], LOW);
        delay(20);
        digitalWrite(relayPinArray[count], HIGH);
        delay(randomArray[loopCounter] * 200);
    }
    if (loopCounter > 30) {
        int i;
        for (i=0;i<100;i=i+10) {
            int j;
            for (j=0; j<5; j++) {
                digitalWrite(relayPinArray[j], HIGH);
            }
            delay(5);
            for (j=0; j<5; j++) {
                digitalWrite(relayPinArray[j], LOW);
            }
            delay(200-i);
        }
        loopCounter = 0;
    }
}


void simplePattern(){
    int count;
    for (count=0;count<5;count++) {
        digitalWrite(relayPinArray[count], HIGH);
        delay(200);
```

```
    }
    delay(5000);
    for (count=0;count<5;count++) {
        digitalWrite(relayPinArray[count], LOW);
        delay(200);
    }
}
```