

```
1 import java.awt.Color;
2
3 import thingm.linkm.LinkM;
4
5 public class BlinkMController {
6
7     LinkM linkm;
8
9     public BlinkMController() {
10         System.loadLibrary("LinkM");
11         linkm = new LinkM();
12     }
13
14     /**
15      *
16      */
17     public void setup() throws Exception {
18         linkm.open();
19         System.out.println("LinkM Opened");
20         linkm.i2cInit();
21         System.out.println("LinkM Initialized");
22         linkm.i2cEnable(true);
23         System.out.println("LinkM Enabled");
24         Thread.sleep(500);
25         LinkM.printHexString("LinkM Version: ", linkm.getLinkMVersion());
26         Thread.sleep(500);
27     }
28
29     /**
30      *
31      */
32     public void scanI2CBus() throws Exception {
33         int start_addr = 0;
34         int end_addr = 127;
35         System.out.println("Scan I2C Addresses for devices between " +
... start_addr + " - " + end_addr);
36         byte[] addrs = linkm.i2cScan(start_addr, end_addr);
37         for (int i=0; i<addrs.length; i++) {
38             System.out.print("\t" + addrs[i] + " = ");
39             LinkM.printHexString("BinkM Version:
... ", linkm.getVersion(addrs[i]));
40             Thread.sleep(500);
41         }
42     }
43 }
```

```
44     /**
45      *
46      */
47     public void blink(int address) throws Exception {
48         int fadespeed = 5;
49         linkm.setFadeSpeed(address, fadespeed);
50         linkm.fadeToRGB(address, new Color(255,0,0));
51         Thread.sleep(2000);
52         linkm.setRGB(address, new Color(0,0,255));
53     }
54
55     /**
56      *
57      */
58     public void close() throws Exception {
59         linkm.close();
60         System.out.println("LinkM Closed");
61     }
62
63     public static void main(String[] args) {
64         System.out.println("Start");
65         try {
66             BlinkMController theBlinker = new BlinkMController();
67             theBlinker.setup();
68
69             theBlinker.scanI2CBus();
70
71             int blinkmAddr = 9;
72             theBlinker.blink(blinkmAddr);
73
74             System.out.println("End");
75         } catch (Exception e) {
76             e.printStackTrace();
77         }
78     }
79
80 }
81
```