

```
1
2  /* ShoeSize - Eric McCreath 2015 - GPL
3   * This class stores a persons shoe size.
4   */
5
6  import java.io.*;
7
8  public class ShoeSize {
9      private static final String SHOESIZEENAME = "SHOESIZE";
10     private static final int SHOESIZEMAX = 15;
11     private static final int SHOESIZEMIN = 3;
12
13     static final String FILENAME = "shoesize.xml";
14
15     private Integer shoesize;
16
17     public ShoeSize() {
18         shoesize = null;
19     }
20
21     public String show() {
22         return (shoesize == null ? "" : shoesize.toString());
23     }
24
25     public boolean set(Integer v) {
26         if (v == null || v >= ShoeSize.SHOESIZEMIN && v <= ShoeSize.SHOESIZEMAX) {
27             shoesize = v;
28             save();
29             return true;
30         } else {
31             shoesize = null;
32             return false;
33         }
34     }
35
36     static ShoeSize load() {
37         ShoeSize shoeSize = new ShoeSize();
38         try{
39             BufferedReader b_reader = new BufferedReader(new FileReader(FILENAME));
40             // read in line and test if null
41             String line;
42
43             while((line = b_reader.readLine()) != null){
44                 String[] dataline = line.split(",");
45                 shoeSize.shoesize = Integer.parseInt(dataline[1]);
46             }
47             b_reader.close();
48         }
```

```
49         catch (IOException x) {
50             System.err.format("IOException: %s%n", x);
51         }
52
53         return shoeSize;
54     }
55
56     void save() {
57         // add code here that will save shoe size into a file called "FILENAME"
58         try {
59             FileWriter F_W = new FileWriter(FILENAME);
60             BufferedWriter B_W = new BufferedWriter(F_W);
61             String line = SHOESIZEENAME + "," + show();
62             B_W.write(line);
63             B_W.close();
64         } catch (IOException e) {
65             e.printStackTrace();
66         }
67
68     }
69 }
70
71
```