

```
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 implements Serializable{
9      private static final String SHOESIZEENAME = "SHOESIZE";
10     public static final int SHOESIZEMAX = 15;
11     public 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             ObjectInputStream objectInputStream = new ObjectInputStream(new FileInputStream(FILENAME));
40             String line = (String) objectInputStream.readObject();
41             String[] dataline = line.split(",");
42             shoeSize.shoesize = Integer.parseInt(dataline[1]);
43             objectInputStream.close();
44         }
45         catch (IOException x) {
46             System.err.format("IOException: %s\n", x);
47         } catch (ClassNotFoundException e) {
48             e.printStackTrace();
49         }
50     }
51
52     private void save() {
53         try {
54             ObjectOutputStream objectOutputStream = new ObjectOutputStream(new FileOutputStream(FILENAME));
55             objectOutputStream.writeObject(show());
56             objectOutputStream.close();
57         } catch (IOException x) {
58             System.err.format("IOException: %s\n", x);
59         }
60     }
61 }
```

```
49         }
50
51         return shoeSize;
52     }
53
54     void save() {
55         // add code here that will save shoe size into a file called "FILENAME"
56         try {
57             ObjectOutputStream objectOutputStream = new ObjectOutputStream(
58                 new FileOutputStream("FILENAME"));
59             String line = SHOESIZEENAME + "," + show();
60             objectOutputStream.writeObject(line);
61             objectOutputStream.close();
62         } catch (IOException e) {
63             e.printStackTrace();
64         }
65     }
66 }
67
68
```