

```
1
2  /* ShoeSize - Eric McCreath 2015 - GPL
3   * This class stores a persons shoe size.
4   */
5
6  import java.io.*;
7  import java.util.prefs.Preferences;
8
9  public class ShoeSize{
10     private static final String SHOESIZEENAME = "SHOESIZE";
11     public static final int SHOESIZEMAX = 15;
12     public static final int SHOESIZEMIN = 3;
13
14     static Preferences prefs;
15     static final String FILENAME = "shoesize.xml";
16
17     private Integer shoesize;
18
19     public ShoeSize() {
20         shoesize = null;
21         prefs = Preferences.userNodeForPackage(ShoeSize.class);
22     }
23
24     public String show() {
25         return (shoesize == null ? "" : shoesize.toString());
26     }
27
28     public boolean set(Integer v) {
29         if (v == null || v >= ShoeSize.SHOESIZEMIN && v <= ShoeSize.SHOESIZEMAX) {
30             shoesize = v;
31             save();
32             return true;
33         } else {
34             shoesize = null;
35             return false;
36         }
37     }
38
39     static ShoeSize load() {
40         ShoeSize sss = new ShoeSize();
41         sss.shoesize = prefs.getInt(SHOESIZEENAME, 0);
42         return sss;
43     }
44
45     void save() {
46         // add code here that will save shoe size into a file called "FILENAME"
47         ShoeSize shoeSize = new ShoeSize();
48         if(shoesize != null) {
```

```
49         shoeSize.prefs.putInt(SHOESIZEENAME, shoesize);
50     }
51
52 }
53 }
54
```