

```

1  /*
2  * PrintSpooler - Models a print spooler using a StringBuffer. Allows the user to get
3  *               an instance of the spooler and add strings or characters. The
4  *               contents of the spooler can then be sent to the system output
5  *               device.
6  *               Note that PrintSpooler is a Singleton - only a single instance
7  *               of it can exist at anytime. The method getPrintSpooler insures
8  *               this by only performing one instance creation and then simply
9  *               returning the same object reference to subsequent requests.
10 */
11 public class PrintSpooler {
12
13     private static PrintSpooler spooler = new PrintSpooler();    // the one and only
14                                                                    // instance of PrintSpooler
15     public StringBuffer spoolBuffer = null;                      // model using a StringBuffer
16
17     public PrintSpooler() {                                       // constructor for object creation
18         };
19
20     public PrintSpooler getPrintSpooler() {                       // only allow one-time creation of
21         PrintSpooler mySpooler = spooler;                        // PrintSpooler, else return referece,
22         if ( spooler == null)
23             mySpooler = new PrintSpooler();
24         return mySpooler;
25     }
26
27     public void addString( String s){                             // add a String to the spooler
28         spoolBuffer.append( s );
29     }
30
31     public void addChar( char theChar, int length){              // add a character, allow repeating
32         for ( int i=1; i<length ; i++)                          // of same character
33             spoolBuffer.append( theChar);
34     }
35
36     public void print() {                                         // send to system.out device, add header info
37         spoolBuffer.insert(0, "PrintSpooler - Version 1.3 Header ");
38         System.out.print(spoolBuffer);
39     }
40
41     public void clear() {                                         // clear the spooler
42         spooler = new PrintSpooler();
43     }
44 }

```