

```
1: ::::::::::::::::::::::::::::
2: jbox.java
3: ::::::::::::::::::::::::::::::
4:     1  // $Id: jbox.java,v 1.6 2014-02-13 18:33:45-08 - - $
5:     2
6:     3  // Java equivalent of the cbox example.
7:     4  // For brevity we put all of the classes on one file.
8:     5
9:     6  import static java.lang.System.*;
10:    7
11:    8  interface jbox {
12:    9      public int get();
13:   10      public void put (int value);
14:   11  }
15:   12
16:   13  class jbox_code implements jbox {
17:   14      private int value;
18:   15
19:   16      jbox_code() {
20:   17          this (0);
21:   18      }
22:   19
23:   20      jbox_code (int value_) {
24:   21          value = value_;
25:   22      }
26:   23
27:   24      public int get() {
28:   25          return value;
29:   26      }
30:   27
31:   28      public void put (int value_) {
32:   29          value = value_;
33:   30      }
34:   31
35:   32  }
36:   33
37:   34  class jbox_main {
38:   35      public static void main (String[] args) {
39:   36          jbox box = new jbox_code();
40:   37          out.printf ("box = %s\n", box);
41:   38          box.put (1024);
42:   39          out.printf ("box value is %d\n", box.get());
43:   40      }
44:   41  }
45:   42
```

```
46:
47: ::::::::::::::::::::::::::::::::::::
48: Manifest
49: ::::::::::::::::::::::::::::::::::::::
50:     1  Main-class: jbox_main
51: ::::::::::::::::::::::::::::::::::::::
52: jbox.output
53: ::::::::::::::::::::::::::::::::::::::
54:     1  box = jbox_code@277889e9
55:     2  box value is 1024
56: ::::::::::::::::::::::::::::::::::::::
57: mkjbox
58: ::::::::::::::::::::::::::::::::::::::
59:     1  #!/bin/bash
60:     2  # $Id: mkjbox,v 1.12 2014-02-13 18:36:39-08 - - $
61:     3
62:     4  function catnv() {
63:     5      for arg in $*
64:     6      do
65:     7          if [ "$arg" = "-f" ]
66:     8          then
67:     9              echo -e '\f'
68:    10          else
69:    11              echo ::::::::::::::::::::::::::::::::::::
70:    12              echo $arg
71:    13              echo ::::::::::::::::::::::::::::::::::::::
72:    14              cat -nv $arg
73:    15          fi
74:    16      done
75:    17  }
76:    18
77:    19  cid + $0 jbox.java
78:    20  javac jbox.java
79:    21  echo Main-class: jbox_main >Manifest
80:    22  classes='jbox.class jbox_code.class jbox_main.class'
81:    23  jar cfm jbox.jar Manifest $classes
82:    24  chmod +x jbox.jar
83:    25  ./jbox.jar >jbox.output 2>&1
84:    26
85:    27  catnv jbox.java -f Manifest jbox.output mkjbox >jbox.lis
86:    28  mkpspdf Listing.jbox.ps jbox.lis
87:    29  rm Manifest jbox.jar *.class jbox.output jbox.lis
88:    30
```