

CalendarTest.java

```

1 import java.text.DateFormatSymbols;
2
3
4 /**
5  * @version 1.4 2007-04-07
6  * @author Cay Horstmann
7  */
8
9 public class CalendarTest {
10     public static void main(String[] args) {
11         // construct d as current date
12         GregorianCalendar d = new GregorianCalendar();
13
14         int today = d.get(Calendar.DAY_OF_MONTH);
15         int month = d.get(Calendar.MONTH);
16
17         // set d to start date of the month
18         d.set(Calendar.DAY_OF_MONTH, 1);
19
20         int weekday = d.get(Calendar.DAY_OF_WEEK);
21
22         // get first day of week (Sunday in the U.S.)
23         int firstDayOfWeek = d.getFirstDayOfWeek();
24
25         // determine the required indentation for the first line
26         int indent = 0;
27         while (weekday != firstDayOfWeek) {
28             indent++;
29             d.add(Calendar.DAY_OF_MONTH, -1);
30             weekday = d.get(Calendar.DAY_OF_WEEK);
31         }
32
33         // print weekday names
34         String[] weekdayNames = new DateFormatSymbols().getShortWeekdays();
35         do {
36             System.out.printf("%4s", weekdayNames[weekday]);
37             d.add(Calendar.DAY_OF_MONTH, 1);
38             weekday = d.get(Calendar.DAY_OF_WEEK);
39         } while (weekday != firstDayOfWeek);
40         System.out.println();
41
42         for (int i = 1; i <= indent; i++)
43             System.out.print(" ");
44
45         d.set(Calendar.DAY_OF_MONTH, 1);
46         do {
47             // print day
48             int day = d.get(Calendar.DAY_OF_MONTH);
49             System.out.printf("%3d", day);
50
51             // mark current day with *
52             if (day == today)
53                 System.out.print("*");
54             else
55                 System.out.print(" ");
56
57             // advance d to the next day
58             d.add(Calendar.DAY_OF_MONTH, 1);
59             weekday = d.get(Calendar.DAY_OF_WEEK);
60
61             // start a new line at the start of the week
62             if (weekday == firstDayOfWeek)
63                 System.out.println();

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64     } while (d.get(Calendar.MONTH) == month);
65     // the loop exits when d is day 1 of the next month
66
67     // print final end of line if necessary
68     if (weekday != firstDayOfWeek)
69         System.out.println();
70 }
71 }
72
```

wyniki

Pn	Wt	Śr	Cz	Pt	So	N
2	3	4	5	6	7	1
9	10	11	12	13	14	8
16	17	18*	19	20	21	15
23	24	25	26	27	28	22
30						29