

CALENDAR

Code:

```
2 package com.mycompany.calendar;
3 import java.util.*;
4 public class Calendar {
5
6     public static void main(String[] args) {
7         Scanner input = new Scanner(System.in);
8
9         System.out.print("Enter year: ");
10        int year = input.nextInt();
11
12        System.out.print("Enter first day of the year (0=Sun, 1=Mon, ..., 6=Sat): ");
13        int startDay = input.nextInt();
14
15        int month = 1;
16
17        while (month <= 12) {
18            String monthName = "";
19            int daysInMonth = 0;
20
21            // Set month name and number of days
22            if (month == 1) {
23                monthName = "January";
24                daysInMonth = 31;
25            } else if (month == 2) {
26                monthName = "February";
27                // Check leap year
28                if ((year % 4 == 0 && year % 100 != 0) || year % 400 == 0)
29                    daysInMonth = 29;
30                else
31                    daysInMonth = 28;
32            } else if (month == 3) {
33                monthName = "March";
34                daysInMonth = 31;
35            } else if (month == 4) {
36                monthName = "April";
37                daysInMonth = 30;
38            } else if (month == 5) {
39                monthName = "May";
40                daysInMonth = 31;
41            } else if (month == 6) {
42                monthName = "June";
43                daysInMonth = 30;
44            } else if (month == 7) {
45                monthName = "July";
46                daysInMonth = 31;
47            } else if (month == 8) {
48                monthName = "August";
49                daysInMonth = 31;
50            } else if (month == 9) {
51                monthName = "September";
52                daysInMonth = 30;
53            } else if (month == 10) {
54                monthName = "October";
55                daysInMonth = 31;
56            } else if (month == 11) {
57                monthName = "November";
58                daysInMonth = 30;
```

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59 } else if (month == 12) {
60     monthName = "December";
61     daysInMonth = 31;
62 }
63
64 // Print month header
65 System.out.println("\n\n" + monthName + " " + year);
66 System.out.println("Sun Mon Tue Wed Thu Fri Sat");
67
68 // Print leading spaces
69 for (int i = 0; i < startDay; i++) {
70     System.out.print("    ");
71 }
72
73 // Print all days
74 for (int day = 1; day <= daysInMonth; day++) {
75     System.out.printf("%3d ", day);
76     startDay++;
77     if (startDay == 7) {
78         startDay = 0;
79         System.out.println();
80     }
81 }
82 month++;
83 System.out.println();
84 }
85 }
86 }

```

Output:

Enter year: 2025
Enter first day of the year (0=Sun, 1=Mon, ..., 6=Sat): 3

January 2025

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

February 2025

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

November 2025

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

December 2025

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			