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// 「Cで学ぶデータ構造とアルゴリズム」(西原清一) オーム社, 2008
// 図1・17 (p.21) 月を入力すると日数を出力(switch版)
```

```
#include <stdio.h>

main()
{   int i, j, k;

    do{ printf("Input the month--> ");
        scanf("%d",&i);
        if (i == 2) {
            printf("      of what year? --> ");
            scanf("%d",&j);
        }

        switch (i) {
        case 1: case 3: case 5: case 7: case 8: case 10: case 12:
            k=31; break;
        case 2:
            if (j%4) k=28; else k=29; break;
        case 4: case 6: case 9: case 11:
            k=30; break;
        default:
            k=0; break;
        }

        if (k) printf("** It contains %d days.\n\n",k);
        else if (i>0) printf("Month data may be wrong.\n\n");
        else printf("As the month<=0, the session is closed.\n\n");
    } while (i>0);
}
```