

```
switch_2.c

1 #include <stdio.h>
2
3 // write a real world program that uses a switch statement in C.
4
5 int main() {
6     int day;
7
8     printf("Enter a day number (1-7): ");
9     scanf("%d", &day);
10
11    switch (day) {
12        case 1:
13            printf("Monday\n");
14            break;
15        case 2:
16            printf("Tuesday\n");
17            break;
18        case 3:
19            printf("Wednesday\n");
20            break;
21        case 4:
22            printf("Thursday\n");
23            break;
24        case 5:
25            printf("Friday\n");
26            break;
27        case 6:
28            printf("Saturday\n");
29            break;
30        case 7:
31            printf("Sunday\n");
32            break;
33        default:
34            printf("Invalid day number!\n");
35            break;
36    }
37
38    return 0;
39 }
40
41 /*
42 * write the above code using if-else statements instead of switch-case.
43 */
44
45 /*
46 include <stdio.h>
47
48 int main() {
49     int day;
50
51     printf("Enter a day number (1-7): ");
```

```
52     scanf("%d", &day);
53
54     if (day == 1) {
55         printf("Monday\n");
56     } else if (day == 2) {
57         printf("Tuesday\n");
58     } else if (day == 3) {
59         printf("Wednesday\n");
60     } else if (day == 4) {
61         printf("Thursday\n");
62     } else if (day == 5) {
63         printf("Friday\n");
64     } else if (day == 6) {
65         printf("Saturday\n");
66     } else if (day == 7) {
67         printf("Sunday\n");
68     } else {
69         printf("Invalid day number!\n");
70     }
71
72     return 0;
73 }
74 */
```