

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 */
```