

switch_1.c

```
1  #include <stdio.h>
2
3  // This program demonstrates the use of a switch statement in C.
4
5  int main() {
6      int number;
7
8      printf("Enter an integer between 1 and 5: ");
9      scanf("%d", &number);
10
11     switch (number) {
12         case 1:
13             printf("You entered One.\n");
14             break;
15         case 2:
16             printf("You entered Two.\n");
17             break;
18         case 3:
19             printf("You entered Three.\n");
20             break;
21         case 4:
22             printf("You entered Four.\n");
23             break;
24         case 5:
25             printf("You entered Five.\n");
26             break;
27         default:
28             printf("Invalid input! Please enter a number between 1 and 5.\n");
29             break;
30     }
31
32     return 0;
33 }
34
35 /**
36  * write the above code using if-else statements instead of switch-case.
37  */
38
39 /*
40
41 #include <stdio.h>
42
43 int main() {
44     int number;
45
46     printf("Enter an integer between 1 and 5: ");
47     scanf("%d", &number);
48
49     if (number == 1) {
50         printf("You entered One.\n");
51     } else if (number == 2) {
```

```
52     printf("You entered Two.\n");
53 } else if (number == 3) {
54     printf("You entered Three.\n");
55 } else if (number == 4) {
56     printf("You entered Four.\n");
57 } else if (number == 5) {
58     printf("You entered Five.\n");
59 } else {
60     printf("Invalid input! Please enter a number between 1 and 5.\n");
61 }
62
63 return 0;
64 }
65 */
```