switch_3.c

```c
 1  #include <stdio.h>
 2
 3  // write a program to check the grade of a student using switch case in C.
 4
 5  int main() {
 6      char grade;
 7
 8      printf("Enter the grade (A, B, C, D, F): ");
 9      scanf(" %c", &grade);
10
11      switch (grade) {
12          case 'A':
13              printf("Excellent!\n");
14              break;
15          case 'B':
16              printf("Good job!\n");
17              break;
18          case 'C':
19              printf("You passed.\n");
20              break;
21          case 'D':
22              printf("You need to work harder.\n");
23              break;
24          case 'F':
25              printf("Failed. Better luck next time.\n");
26              break;
27          default:
28              printf("Invalid grade entered.\n");
29              break;
30      }
31
32      return 0;
33  }
34
35
36  /*
37  * write the above code using if-else statements instead of switch-case.
38  */
39
40  /*
41  #include <stdio.h>
42
43  int main() {
44      char grade;
45
46      printf("Enter the grade (A, B, C, D, F): ");
47      scanf(" %c", &grade);
48
49      if (grade == 'A') {
50          printf("Excellent!\n");
51      } else if (grade == 'B') {
```

```
52            printf("Good job!\n");
53        } else if (grade == 'C') {
54            printf("You passed.\n");
55        } else if (grade == 'D') {
56            printf("You need to work harder.\n");
57        } else if (grade == 'F') {
58            printf("Failed. Better luck next time.\n");
59        } else {
60            printf("Invalid grade entered.\n");
61        }
62
63        return 0;
64 }
65 */
```