

```
1: //シングルクォートとダブルクォートの数を数えるプログラム
2: #include <stdio.h>
3: #include <stdlib.h>
4:
5: int main(int argc, char *argv[])
6: {
7:     int c;
8:     int sq = 0;           // ' の数
9:     int dq = 0;           // " の数
10:
11:     /*
12:      * exit program if arguments are specified
13:      */
14:     if (argc > 1) {
15:         fprintf (stderr, "unexpected arguments\n");
16:         exit(1);
17:     }
18:
19:     while((c = getchar()) != EOF) {
20:         switch (c) {
21:             case '\\':
22:                 sq++;
23:                 break;
24:             case '"':
25:                 dq++;
26:                 break;
27:             default:
28:                 break;
29:         }
30:     }
31:
32:     printf ("number of ' is %d\n", sq);
33:     printf ("number of \" is %d\n", dq);
34:
35:     exit(0);
36: }
```