

```
1 #include <stdio.h>
2
3 int main(){
4     char s[100];
5
6     scanf("%s", s);
7     printf("s = %s\n", s);
8
9     int sum = 0;
10
11     try {
12         int i = 0;
13         while (true) {
14             if (s[i] == '\0') {
15                 break;
16             }
17             switch (s[i]) {
18                 case '0':
19                     sum += 0;
20                     break;
21                 case '1':
22                     sum += 1;
23                     break;
24                 case '2':
25                     sum += 2;
26                     break;
27                 case '3':
28                     sum += 3;
29                     break;
30                 case '4':
31                     sum += 4;
32                     break;
33                 case '5':
34                     sum += 5;
35                     break;
36                 case '6':
37                     sum += 6;
38                     break;
39                 case '7':
40                     sum += 7;
41                     break;
42                 case '8':
43                     sum += 8;
44                     break;
45                 case '9':
46                     sum += 9;
47                     break;
48                 default:
49                     // error
50                     throw "error";
51             }
52             i++;
53         }
54     }
55     catch (char const* m) {
56         printf("%s\n", m);
57         return 1;
58     }
59     printf("sum = %d\n", sum);
```

```
60 | return 0;  
61 | }  
62 |
```