

```

1  #include <iostream>
2  #include <string>
3  #include <cstring>
4  using namespace std;
5
6  int main(){
7
8      string sample;
9
10     cout << "Enter an expression: ";
11     getline(cin, sample);
12
13     char* sampleArray = new char[sample.length()+1];
14     strcpy(sampleArray, sample.c_str());
15
16     char* cptr = strtok(sampleArray, ", ");
17
18     int numSymbols = 0;
19     int sumIntegers = 0;
20
21     while (cptr != 0){
22
23         string token(cptr);
24
25         if ( (token.compare("@") == 0) ||
26             (token.compare("!") == 0) ||
27             (token.compare("#") == 0) ||
28             (token.compare("$") == 0) ||
29             (token.compare("%") == 0) ){
30             numSymbols++;
31         }
32         else{
33             int value = stoi(token);
34             sumIntegers += value;
35         }
36
37         cptr = strtok(NULL, ", ");
38     }
39
40     cout << "number of operators: " << numSymbols << endl;
41     cout << "sum of the integers: " << sumIntegers << endl;
42
43     return 0;
44 }

```

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Enter an expression: 3, #, $, -9, 13, @, !, 2, 8
number of operators: 4
sum of the integers: 17

```