

```
1 #include <iostream>
2
3 using namespace std;
4
5 int main() {
6     float num, positive_num{0}, negative_num{0}, sum{0}, average{0};
7     cout << "Note: Enter 0 to end the program." << endl;
8     cout << "Enter the numbers you want to add: ";
9     while (cin >> num) {
10         if (num == 0) {
11             cout << "Program ended. " << endl;
12             break;
13         }
14         if (num > 0) positive_num++;
15         if (num < 0) negative_num++;
16         sum += num;
17     }
18
19     cout << "Positive numbers: " << positive_num << endl;
20     cout << "Negative numbers: " << negative_num << endl;
21     cout << "Total: " << sum << endl;
22     average = sum / (positive_num + negative_num);
23     cout << "Average: " << average << endl;
24     return 0;
25 }
```