

```
1  #include <iostream>
2  #include <fstream>
3  #include <string>
4  #include <iomanip>
5
6  using namespace std;
7
8  int main ()
9  {
10     cout << "Author: James Abreu." << endl;
11     cout << __DATE__ << endl;
12     cout << __TIMESTAMP__ << endl;
13     cout << endl;
14     fstream file{ "Random.txt" };
15     if (!file.is_open ())
16     {
17         cout << "The file could not be found." << endl;
18         return -1;
19     }
20
21     float running_total{ 0 };
22     string num{ 0 };
23     int line_count{ 0 };
24     while (!file.eof ())
25     {
26         file >> num;
27         running_total += stol (num);
28         num.empty ();
29         line_count++;
30     }
31
32     cout << "Line count: " << line_count << endl;
33     cout << "Running total: " << running_total << endl;
34     cout << "Average of Numbers: " << setprecision (2) << fixed <<
        running_total / line_count << endl;
35
36     file.close ();
37
38     cin.get ();
39     return 0;
40 }
```