

```
1: // "Copyright 2020 <Greg Kaplowitz>"
2: #include "markov.h"
3:
4: int main(int argc, char *argv[]) {
5:     int k;
6:     int L;
7:     k = atof(argv[1]);
8:     L = atof(argv[2]); // get cmd line args
9:     std::cout << k << "          " << L << std::endl;
10:
11:     std::string input = "";
12:     std::string current_txt = "";
13:
14:     while (std::cin >> current_txt) {
15:         input += " " + current_txt;
16:         current_txt = "";
17:     }
18:     std::cout << "The story:" << std::endl << std::endl;
19:     for (int a = 0; a < L; a++) { // print the passing texted
20:         std::cout << input[a];
21:
22:
23:         if (input[a] == '.' || input[a] == '!') {
24:             std::cout << std::endl; // auto enters at end of statement so I dont have
to
25:         }
26:     }
27:
28:     std::string output_string = "";
29:     MarkovModel amazing(input, k);
30:     output_string += "" + amazing.generate(input.substr(0, k), L);
31:     std::cout << std::endl;
32:     std::cout << "The fanfic:" << std::endl;
33:
34:     for (int a = 0; a < L; a++) {
35:         std::cout << output_string[a];
36:
37:         if (output_string[a] == '.' || output_string[a] == '!') {
38:             std::cout << std::endl; // auto enters at end of statement so I
39:             // don't have to
40:         }
41:     }
42:
43:
44:
45:     return 0;
46: }
47:
```