

```
1: /*****
*****/
2: /* TextGenerator.cpp
   */
3: /* Yoo Min Cha
   */
4: /* Markov's Model
   */
5: /* Professor Martin
   */
6: /* 07 April 2014
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7: /*****
*****/
8:
9: // build with $make
10:
11: #include <iostream>
12: #include <ctime>
13: #include <random>
14: #include <vector>
15: #include <cstring>
16: #include "MarkovModel.hpp"
17:
18: using namespace std;
19:
20: int main(int argc, char *argv[])
21: {
22:     int k = atoi(argv[1]);
23:     int T = atoi(argv[2]);
24:     string text = "";
25:     char c;
26:     while(scanf("%c",&c)!=EOF){
27:         if (c!='\n') text += c;
28:     }
29:     cout << endl;
30:
31:     MarkovModel mm(text, k);
32:     cout << mm << endl;
33:     //cout << k<< " "<< T << " "<<text.substr(0,k) <<endl;
34:     cout << "result is: ";
35:     cout << mm.gen(text.substr(0,k),T) << endl;
36:
37:     return 0;
38: }
```