

```
1  #include <iostream>
2  #include <string>
3  #include <sstream>
4  #include <vector>
5  #include "double-linked.h"
6
7
8
9  int main() {
10     // Import from screen into a string and then
11     // set up an input stream
12     std::string input;
13
14     std::getline(std::cin, input);
15     std::stringstream stream(input);
16
17     // Populate a vector with the values from the
18     // input stream
19     std::vector<int> values;
20     int* n = new int;
21
22     while (stream >> *n) {
23         values.push_back(*n);
24     }
25     delete n;
26
27     // Try constructor
28     List list;
29
30     // Try insertions
31     for (auto n : values)
32         list.insert(n);
33
34     // Try printing
35     list.print();
36
37     // Try reversing
38     list.reverse();
39     list.print();
40
41     // Try destructor
42     list.~List();
43     list.print();
44
45     return 0;
46 }
```