

```
1  #include <iostream>
2  #include <fstream>
3  #include "QSolver.h"
4
5  int main(int argc, char* argv[])
6  {
7      string config_file_name = "default.cfg";
8      if (argc == 2)
9      {
10         config_file_name = string(argv[1]);
11     }
12
13     QSolver solver(config_file_name);
14
15     constexpr size_t iteration_num = 100;
16     for (size_t i = 0; i < iteration_num; i++)
17     {
18         solver.run();
19
20         std::string filename = "solution_" + std::to_string(i + 1);
21         fstream out;
22         out.open(filename, ios::out);
23         vector<double> solution_value = solver.get_solution();
24         for (size_t i = 0; i < solution_value.size(); i++)
25         {
26             out << solution_value[i] << endl;
27         }
28         out.close();
29     }
30
31     return 0;
32 }
33
```