**function.h**

#ifndef function\_h

#define function\_h

#include <iostream>

#include <string>

using namespace std;

void square\_file(string f1, string f2);

#endif

**function.cpp**

#include "function.h"

#include <fstream>

void square\_file(string f1, string f2)

{

ifstream input;

ofstream output;

try{

input.open(f1);

if(!input) throw "error: open file";

}

catch(const char\* errMessage){

cout << "Fail to open input file" << endl;

return;

}

try{

output.open(f2);

if(!output) throw "error: open file";

}

catch(const char\* errMessage){

cout << "Fail to open output file" << endl;

return;

}

while(!input.eof())

{

int tmp = 0;

input >> tmp;

if(input.fail()) break;

output << tmp\*tmp << " ";

}

output << endl;

input.close();

output.close();

}

**main.cpp**

#include <iostream>

#include "function.h"

int main(int argc, const char \* argv[]) {

square\_file("a33.txt", "e.txt");

return 0;

}