Question 1

file I/O	

Given

input.txt
```
1 2 3 4 5 6 7 8 9 10
```

write an entire program (including *#include* directives and `using std::...` statements) to generate

output.gen.txt
```
1 4 9 16 25 36 49 64 81 100
```

without hard coding the number of integers to read in. Be sure to check that opening each file succeeded before reading from or writing to it, and `return 1;` from `main()` if it did not.