Anish Laddha

Page 379, R8.3, 6, 7, 8, 9, 11 to 13

Period 1

**Chapter 8 Homework**

3.

Opening a file that does not exist won’t throw an error (it’ll create a new empty file), but there is a function is\_open to check if a file was successfully opened.

6.

The parameters ifstream &in and ofstream &out are passed by reference, as an iostream object stores a pointer to the current position in the file being written/read. By passing by value, you would only work on a copy, so the work would be lost after the function returns. Also, the output buffer of the ofstream object would get destroyed, so the output may not even be written.

7.

ofstream my\_file;

my\_file.open(“ISO\_STUFF.txt”);

if (my\_file.is\_open())

{

myfile<<year<<”-”<<month<<”-”<<date<<” “<<hour<<”:”<<minute;

}

8.

cout<<left<<setw(20)<<table[i].item<<setw(20)<<table[i].quantity<<setw(20)<<table[i].price

<<setw(20)<<table[i].total<<endl;

9.

string s = “3.14”;

float pi = 0.0;

istringstream strm;

strm.str(s);

strm>>pi;

float pi = 3.14;

string s;

ostringstream strm;

strm<<n;

s = strm.str();

11.

argc =7

Argv[0-6, in order]: “-DNAME=Piglet”, “-I\eeyore”, “-v”, “heff.cpp”, “a.cpp”, “lump.cpp”

12.

Sequential access: When you can only access data in the same order that it was stored in

Random access: When you can access data from any memory location

13.

Text file: Stored in characters, and reading the file means interpreting set chunks that are equal to characters

Binary: Sequence of bits, can be interpreted in any way you choose