

ifstream members (4.3)

Member function	Description
<code>f.clear();</code>	resets stream's error state, if any
<code>f.close();</code>	stops reading file
<code>f.eof()</code>	returns true if stream is <i>past</i> end-of-file (EOF)
<code>f.fail()</code>	returns true if the last read call failed (e.g. EOF)
<code>f.get()</code>	reads and returns one character
<code>f.open("filename");</code> <code>f.open(s.c_str());</code>	opens file represented by given C string (may need to write <code>.c_str()</code> if a C++ string is passed)
<code>f.unget(ch)</code>	un-reads one character
<code>f >> var</code>	reads data from input file into a variable (like <code>cin</code>); reads one whitespace-separated token at a time

`getline(f&, s&)`

reads line of input into a string by reference;
returns a true/false indicator of success

object if stream here are the different
members that it has you can open a file

Operator >>

- Reads / converts next whitespace-separated token of input.
 - If unsuccessful, sets stream into *fail* state, and returns a "falsey" value.

```
ifstream input;  
input.open("data.txt");  
string word;  
input >> word;    // "Marty"  
input >> word;    // "is"  
int age;  
input >> age;      // 12  
input >> word;     // "'years'"  
input >> word;     // "old!"  
  
if (input >> word) {    // false  
    cout << "successful!" << endl;  
}
```

data.txt:

Marty
is 12
'years'
old!