

## ...cont'd

- 7 Save, compile, and run the program to see the text file contents and loop count get displayed on standard output

```
Command Prompt
C:\MyPrograms>c++ read.cpp -o read.exe
C:\MyPrograms>read
    I never saw a man who looked
    With such a wistful eye
    Upon that little tent of blue
    Which prisoners call the sky

    The Ballad of Reading Gaol
    Oscar Wilde 1898

Iterations: 167
```

This program works well enough but the loop must make many iterations to output the text file contents. Efficiency could be improved by reading a line on each iteration of the loop:

- 8 Insert a preprocessor directive to make the C++ string library available to the program  
`#include <string>`
- 9 Replace the character variable declaration with a string variable declaration  
`string line ;`
- 10 Replace both statements in the for loop to read lines, then save, compile, and run the program once more  
`getline( reader , line ) ;`  
`cout << line << endl ;`

```
Command Prompt
C:\MyPrograms>c++ read.cpp -o read.exe
C:\MyPrograms>read
    I never saw a man who looked
    With such a wistful eye
    Upon that little tent of blue
    Which prisoners call the sky

    The Ballad of Reading Gaol
    Oscar Wilde 1898

Iterations: 9
C:\MyPrograms>_
```

Don't forget



Output an `endl` after each line output – because `getline()` stops reading when it meets a `\n` newline character.