# CS Bridge Module 16 File Processing

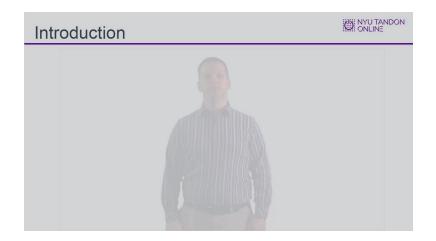
# 1. File Processing

1.1 CS Bridge: File Processing

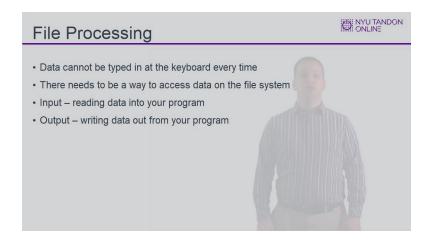


Notes:

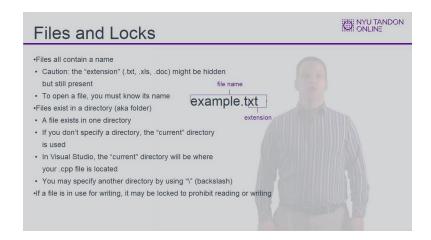
### 1.2 Introduction



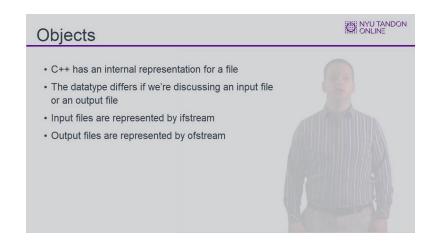
### 1.3 File Processing



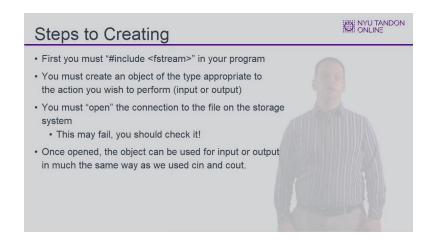
### 1.4 Files and locks



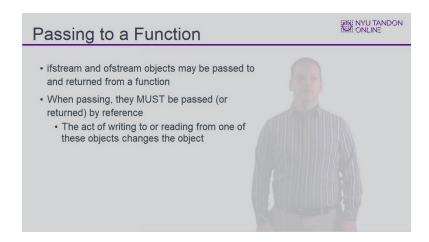
# 1.5 Objects



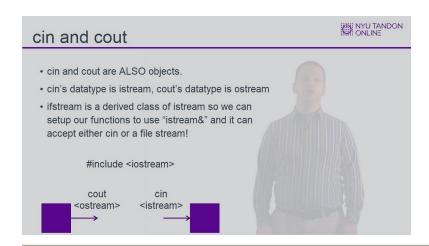
### 1.6 Steps to creating



### 1.7 Passing to a function



### 1.8 cin and cout



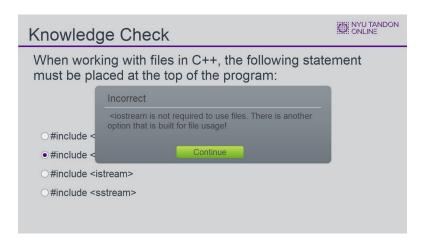
# 1.9 Knowledge Check

(Multiple Choice, 10 points, 4 attempts permitted)

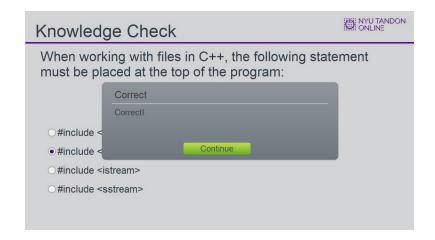
Knowledge Check	NYU TANDON ONLINE
When working with files in C++, the following somust be placed at the top of the program:	tatement
<pre>#include <iostream> #include <fstream> #include <istream> #include <sstream></sstream></istream></fstream></iostream></pre>	

Correct	Choice	Feedback
	#include <iostream></iostream>	<iostream files.<="" is="" not="" required="" th="" to="" use=""></iostream>
		There is another option that is built for
		file usage!
Х	#include <fstream></fstream>	Correct!
	#include <istream></istream>	istream is part of the iostream object.
		Therefore, <istream> is not a</istream>
		standalone item
	#include <sstream></sstream>	<sstream> is meant for usage with</sstream>
		strings. For files, there is another object
		with a similar name

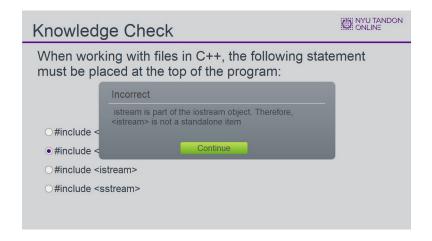
### **Incorrect (Slide Layer)**



### **Correct (Slide Layer)**



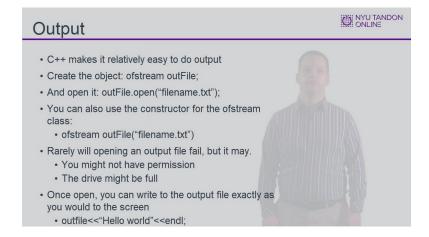
## **Incorrect (Slide Layer)**



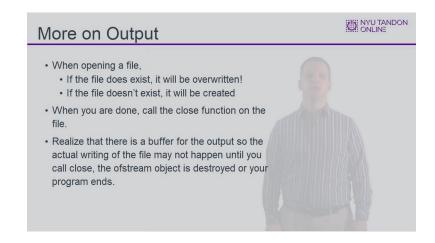
### **Incorrect (Slide Layer)**



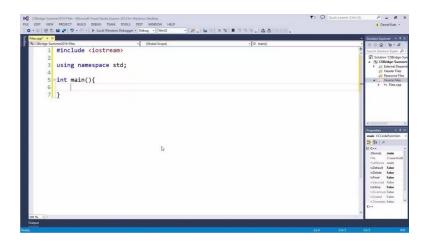
### 1.10 Output



### 1.11 More on output

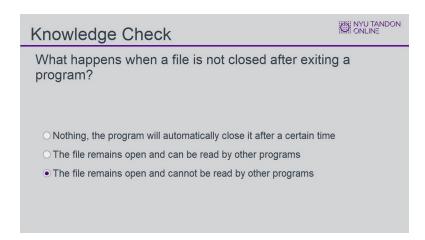


# 1.12 Example: Creating a File and Outputting Information



# 1.13 Knowledge Checks

(Multiple Choice, 10 points, 1 attempt permitted)



Correct	Choice
	Nothing, the program will automatically close it after a certain time
	The file remains open and can be read by other programs
Х	The file remains open and cannot be read by other programs

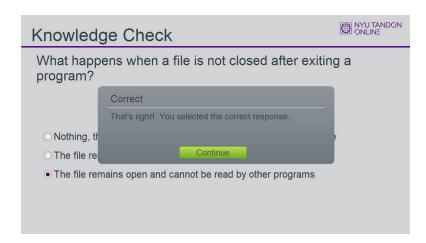
#### Feedback when correct:

That's right! You selected the correct response.

#### Feedback when incorrect:

You did not select the correct response.

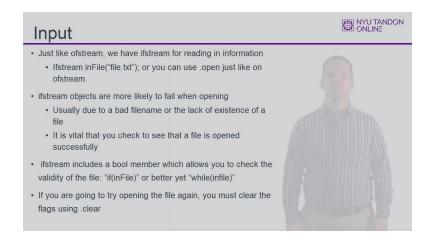
### **Correct (Slide Layer)**



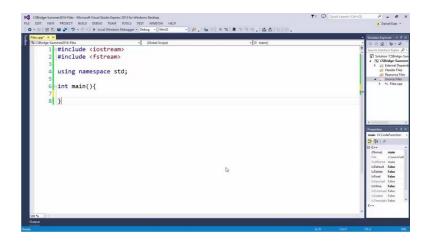
# Incorrect (Slide Layer)



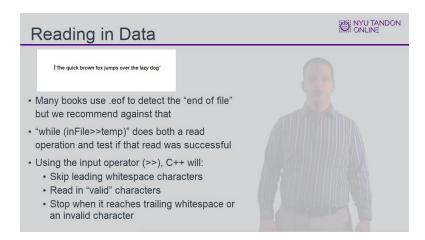
### **1.14** Input



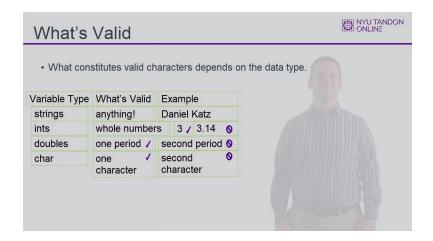
# 1.15 Example: Opening a File Stream Object



# 1.16 Reading in data

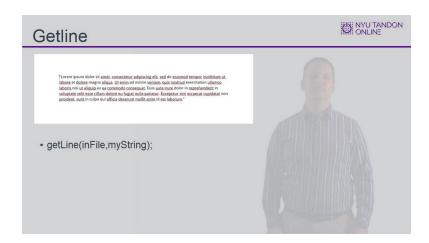


# 1.17 What's valid

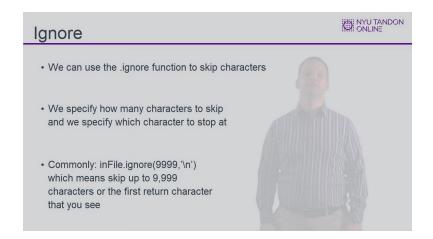


**Notes:** 

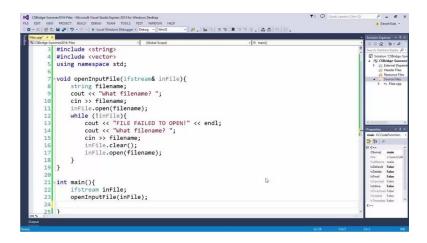
### 1.18 Getline



# 1.19 ignore



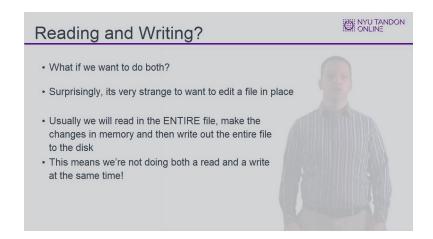
# 1.20 Example: Opening a File Stream Object



# 1.21 seekg

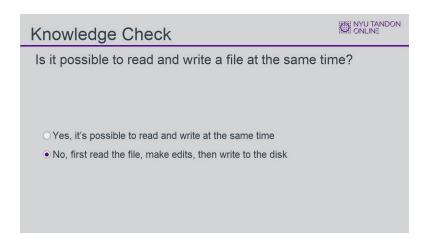


# 1.22 Reading and writing?



# 1.23 Knowledge Check

(Multiple Choice, 10 points, 1 attempt permitted)



Correct	Choice
	Yes, it's possible to read and write at the same time
Х	No, first read the file, make edits, then write to the disk

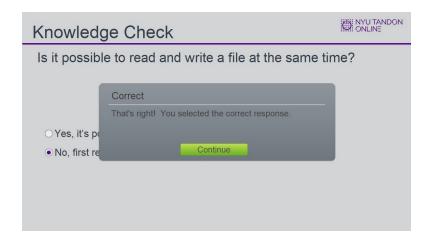
#### Feedback when correct:

That's right! You selected the correct response.

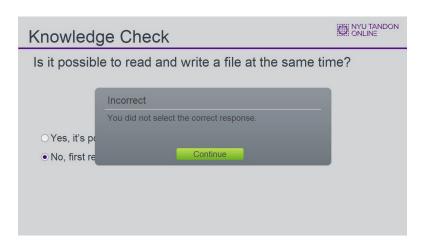
#### Feedback when incorrect:

You did not select the correct response.

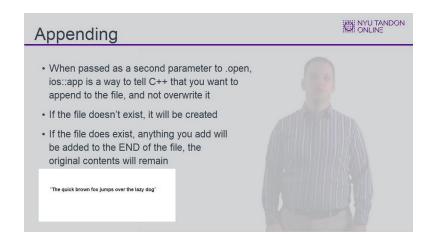
### **Correct (Slide Layer)**



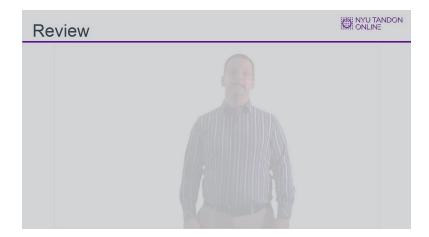
# **Incorrect (Slide Layer)**



# 1.24 Appending



### 1.25 Review



**Notes:** 

# 1.26 End of Module

