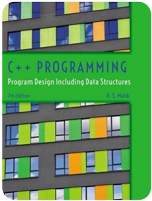


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Terms in this set (48)

Create an input file stream object named in and open the text file "tuba.txt", using a single statement.	ifstream in("tuba.txt");
Create an output file stream object named out and open the text file "expenses.dat", using a single statement.	ofstream out("expenses.dat");
The file temp.txt contains "Orange Coast College". What prints? ifstream in("temp.txt"); char c; while (in.get(c)) { if (isupper(c)) cout << toupper(c); }	OCC
The file expenses.txt contains the line: Hotel, 3 nights. \$ 1,750.25. What prints? ifstream in("expenses.txt"); char c; while (in.get(c)) { if (isdigit(c)) { in.unget(); int n; in >> n; cout << n << 'x'; } } 3x1x7x5x0x2x5x 3x1x750x25 3x1x750.25x None of these Correct Answer 3x1x750x25x	3x1x750x25x

Chap 8		Study	...
<div>2. while (s.size())</div> <div>3. {</div> <div>4. if (s.at(0) == 'C') break;</div> <div>5. s = s.substr(1);</div> <div>6. }</div> <div>7. cout << s << endl;</div> <div>None of these</div> <div>2</div> <div>4</div> <div>Correct Answer</div> <div>5</div>			
<div>Which line opens the file in.txt for reading?</div> <div>ofstream in; in.open("in.txt");</div> <div>Correct Answer ifstream in("in.txt");</div> <div>istream in("in.txt");</div> <div>None of these</div> <div>ifstream open("in.txt");</div>	ifstream in("in.txt");		
<div>What does this code do?</div> <div>ifstream in("temp.txt");</div> <div>string x;</div> <div>int i{0};</div> <div>while (getline(in, x)) i++;</div> <div>cout << i << endl;</div> <div>Counts the number of characters in the file</div> <div>Counts the number of non-space characters in the file</div> <div>Counts the number of digits in the file</div> <div>Gets stuck in an endless loop</div> <div>Correct Answer</div> <div>Counts the number of lines in the file</div> <div>Counts the number of words in the file</div>	Counts the number of lines in the file		
<div>The file expenses.txt contains the line: Hotel, 3 nights. \$ 1,750.25. What prints?</div> <div>ifstream in("expenses.txt");char c;while (in.get(c)){ if (isdigit(c)) { in.unget(); double n; in >> n; cout << n << 'x'; }}</div> <div>None of these</div> <div>3x1x750x25x</div> <div>Correct Answer 3x1x750.25x</div> <div>3x1x7x5x0x2x5x</div> <div>3x1x750x25x</div> <div>3x (then cin fails)</div>	3x1x750.25x		
<div>The file grades.txt contains lines of text that look like this:Smith 94Jones 75. . . Each line of text contains the student's name (a single word) and an integer score. What is the legal way of reading one student's information, given the following code?</div> <div>string name;int score;ifstream in("grades.txt");</div> <div>Correct Answer in >> name >> score;</div> <div>None of these</div> <div>in << name << score;</div> <div>getline(in, name); in >> score;</div> <div>getline(in, name); getline(in, score);</div>	in >> name >> score;		

Chap 8		Study	
<div><div>char x; int i{0}; while (in.get(x)) i++; cout << i << endl; Counts the number of lines in the file Gets stuck in an endless loop Correct Answer Counts the number of characters in the file Counts the number of non-space characters in the file Counts the number of words in the file Counts the number of digits in the file</div></div>			
<div><div>Assume that the file scores.txt does not exist. What happens? ofstream out("scores.txt");out << "Peter" << " " << 20 << endl;out << "John" << " " << 50 << endl; out.fail() is set to true Correct Answer Creates a new file, scores.txt and writes two lines of text. Throws a runtime exception because of the missing file. Causes a compiler error trying to send int (binary) data to a text file. Creates a new file, scores.txt, but does not write any data into it.</div></div>		Creates a new file, scores.txt and writes two lines of text.	
<div><div>This loop: char c;while (c = in.get()){ cout << c << endl;} illustrates token-based stream processing illustrates line-based stream processing illustrates raw character I/O Correct Answer is an endless loop has a syntax error</div></div>		is an endless loop	
<div><div>The file temp.txt contains "If I saw an Aardvark, I would scream!". What prints? ifstream in("temp.txt"); char c; int i = 0; while (in.get(c)) { if (tolower(c) == 'a') i++; } cout << i << endl; 5 0 None of these 1 Correct Answer 6</div></div>		6	
<div><div>This loop: string str; while (in >> str) { cout << str << endl; } has a syntax error illustrates raw character I/O Correct Answer illustrates token-based stream processing illustrates line-based stream processing is an endless loop</div></div>		illustrates token-based stream processing	

Chap 8		Study	...
<div><div>char ch; while (in.get(ch)) { if (ch >= 'A' && ch <= 'Z') upper++; } limit loop Correct Answer data loop primed loop counter-controlled loop loop-and-a-half iterator or range loop Correct Answer inline test sentinel loop</div></div>			
<div>Match each item with the correct standard header below.</div>	<div><div>You Answered</div><div>Read and write characters to memory using streams</div><div></div><div>Correct Answer sstream</div><div>You Answered</div><div>Connect a disk file to an input or output stream.</div><div></div><div>Correct Answer fstream</div><div>You Answered</div><div>Use the predefined stream objects cin and cout</div><div></div><div>Correct Answer iostream</div><div>You Answered</div><div>Determine the category of a character</div><div></div><div>Correct Answer ctype</div><div>You Answered</div><div>Modify the way that memory is converted to characters on input or output</div><div></div><div>Correct Answer iomanip</div></div>		
<div><div>To use strings as a data stream source or sink, use the <stringstream> header</div><div>True</div><div>Correct Answer False</div></div>	<div>f</div>		
<div><div>In the flag-controlled-pattern, you read data before the loop and at the end of the loop.</div><div>True</div><div>Correct Answer False</div></div>	<div>f</div>		
<div><div>A loop that reads data until some special value is found is called a sentinel loop.</div><div>Correct Answer True</div><div>False</div></div>	<div>t</div>		
<div><div>The C++ term for what is called a superclass in other languages is derived class.</div><div>True</div><div>Correct Answer False</div></div>	<div>f</div>		
<div><div>Formatted I/O means that you read and write data token-by-token.</div><div>Correct Answer True</div><div>False</div></div>	<div>t</div>		

Chap 8		Study	
True Correct Answer False			
A token is a "chunk of meaningful data". Correct Answer True False			t
To use a disk file as a data stream source or sink, use the <fstream> header Correct Answer True False			t
Create an output file stream object named out.			ofstream out;
Create an input file stream object named in and open the text file "tuba.txt", using a single statement.			ifstream in("tuba.txt");
The file temp.txt contains "If I saw an Aardvark, I would scream!". What prints? ifstream in("temp.txt"); char c; int i = 0; while (in.get(c)) { if (tolower(c) == 'a') i++; } cout << i << endl;			6
This loop: string str; while (getline(in, str)) { cout << str << endl; } illustrates token-based stream processing has a syntax error illustrates raw character I/O is an endless loop Correct Answer illustrates line-based stream processing			illustrates line-based stream processing
Assume that the file scores.txt does not exist. What happens? ofstream out("scores.txt"); out << "Peter" << " " << 20 << endl; out << "John" << " " << 50 << endl; out.fail() is set to true Causes a compiler error trying to send int (binary) data to a text file. Throws a runtime exception because of the missing file. Correct Answer Creates a new file, scores.txt and writes two lines of text. Creates a new file, scores.txt, but does not write any data into it.			Creates a new file, scores.txt and writes two lines of text.

Chap 8		Study	...
<div>(in.get(c)){ if (isdigit(c)) { in.unget(); int n; in >> n; cout << n << 'x'; }}</div> <div>3x (then cin fails)</div> <div>3x1x7x5x0x2x5x</div> <div>None of these</div> <div>3x1x750x25</div> <div>Correct Answer 3x1x750x25x</div> <div>3x1x750.25x</div>			
<div>This loop:</div> <div>char c;</div> <div>while (c = in.get())</div> <div>{</div> <div>cout << c << endl;</div> <div>}</div> <div>illustrates raw character I/O</div> <div>Correct Answer</div> <div>is an endless loop</div> <div>has a syntax error</div> <div>illustrates token-based stream processing</div> <div>illustrates line-based stream processing</div>	is an endless loop		
<div>What Java and other OO languages call a subclass, C++ calls a _____.</div> <div>base class</div> <div>None of these</div> <div>inherited class</div> <div>superclass</div> <div>Correct Answer</div> <div>derived class</div>	derived class		

<div>After opening the input stream in, which of these cannot be used to see if the file was successfully opened?</div> <div>if (in) { / opened ok / }</div> <div>Correct Answer</div> <div>if (in.opened()) {/ opened ok /}</div> <div>if (in.bad()) {/ couldn't open /}</div> <div>if (in.good()) {/ opened ok /}</div> <div>if (in.fail()) {/ couldn't open /}</div>	if (in.opened()) {/ opened ok /}		
<div>What does this code do?</div> <div>ifstream in("temp.txt");</div> <div>string x;</div> <div>int i{0};</div> <div>while (in >> x) i++;</div> <div>cout << i << endl;</div> <div>Correct Answer</div> <div>Counts the number of words in the file</div> <div>Gets stuck in an endless loop</div> <div>Counts the number of characters in the file</div> <div>Counts the number of lines in the file</div> <div>Counts the number of digits in the file</div> <div>Counts the number of non-space characters in the file</div>	Counts the number of words in the file		

Chap 8		Study	
<pre>ifstream in("temp.txt"); char c; while (in.get(c)) { if (isupper(c)) cout << toupper(c); } range oast ollege oRANGE cOAST cOLLEGE occ Correct Answer OCC ORANGE COAST COLLEGE</pre>			
<p>Which line reads a single word from the istream named in into the string variable word?</p> <pre>word = in.next(); Correct Answer None of these getline(in, word); in << word; in.get(word);</pre>	None of these		
<p>Which line opens the file input.txt for reading?</p> <pre>iostream in = "input.txt"; istream in("input.txt"); fstream in("input.txt"); istream in = "input.txt"; Correct Answer ifstream in("input.txt");</pre>	ifstream in("input.txt");		
<p>The file expenses.txt contains the line: Hotel, 3 nights. \$ 1,750.25. What prints?</p> <pre>ifstream in("expenses.txt");char c;while (in.get(c)){ if (isdigit(c)) { in.unget(); double n; in >> n; cout << n << 'x'; }}</pre> <p>Correct Answer 3x1x750.25x</p> <p>None of these</p> <p>3x1x750x25x</p> <p>3x (then cin fails)</p> <p>3x1x750x25x</p> <p>3x1x7x5x0x2x5x</p>	3x1x750.25x		
<p>Which of the following loop patterns are used here?</p> <pre>string s{"hello CS 150"}; for (auto e : s) { if (toupper(e)) break; } Correct Answer iterator or range loop counter-controlled loop limit loop sentinel loop primed loop Correct Answer loop-and-a-half inline test data loop</pre>	iterator or range loop loop-and-a-half		

Chap 8		Study	
<pre>char ch; in.get(ch); while (ch != 'Q') { pos++; in.get(ch); }</pre> <p>limit loop</p> <p>data loop</p> <p>Correct Answer</p> <p>primed loop</p> <p>loop-and-a-half</p> <p>iterator or range loop</p> <p>counter-controlled loop</p> <p>inline test</p> <p>Correct Answer</p> <p>sentinel loop</p>			
<p>A loop that reads data until the input stream signals that it is done is called a data loop.</p> <p>Correct Answer</p> <p>True</p> <p>False</p>		T	
<p>The cin object is an instance of the istream class.</p> <p>Correct Answer</p> <p>True</p> <p>False</p>		T	
<p>In the flag-controlled-pattern, you use a break statement to exit the loop when the sentinel is found.</p> <p>True</p> <p>Correct Answer</p> <p>False</p>		F	
<p>Formatted I/O means that you read and write data line-by-line.</p> <p>True</p> <p>Correct Answer</p> <p>False</p>		F	
<p>In the flag-controlled-pattern, you read data before the loop and at the end of the loop.</p> <p>True</p> <p>Correct Answer</p> <p>False</p>		F	
<p>Stream parameters should always be passed to functions by reference.</p> <p>Correct Answer</p> <p>True</p> <p>False</p>		T	
<p>To use a disk file as a data stream source or sink, use the <ofstream> header</p> <p>True</p> <p>Correct Answer</p> <p>False</p>		F	

Correct Answer True
False